

FLUID CONTROL COMPONENTS & ENGINEERED SYSTEMS



Quality

Sitecna® is committed to granting the highest standards of quality, safety, and responsiveness through all our activities, both internal and external.

Total quality concept is our basic strategy influencing every single choice and providing a solid base for our current and future growth.

We use our energies and skills with humility and an open mind team approach in order to meet or exceed our customers expectations for quality and performance.



Our commitment towards continuous improvements of our management is certified in accordance with ISO9001 requirements from ANCIS.

Contents

GENERAL INFORMATION:

- Company profile
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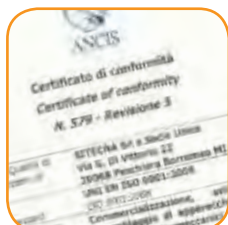
PRODUCT INDEX:

- Section A /Air-gas preparation equipments
- Section B/Control valves
- Section C/Instruments & accessories



TECHNICAL INFORMATION:

- 94/9/CE air equipments declaration
- EAC material approval
- EN10204/3.1 certificate prototype
- PED declaration
- Material compatibility chart
- Materials temperature range
- ISO 9001:2008





GENERAL INFORMATION



Company Profile

Born in 1986 as a commercial company, Sitecna® has developed a very technical and high level experience in fluid control. Our know how in components and engineered systems stems from years of problem facing and solving for the most critical sectors.

Thanks to a very experienced team of engineers 20 years ago we started to design and develop an innovative range of pneumatic products to satisfy the needs of operations critical for temperature, aggressive environments and classified areas.

Today at our headquarters located in Milan, Italy, we design, build and sell components and systems for the chemical, petrochemical, energy and glass sector, offering our range of pneumatic equipments for the most demanding applications. Our products are the standard for non-standard specifications of the most important companies in the instrumentation, analysis, safety systems, process valve control and process automation fields.

Our range includes but is not limited to the following products :

SS316L or Aluminium alloy air/gas preparation

SS316L balanced spool directional valves

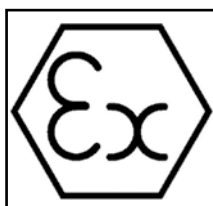
SS316L flow-meters

SS316L or aluminum alloy pneumatic pumps

SS316L or special alloy instrumentation accessories

Special or standard engineered systems

Sitecna is dedicated to developing unique and tailored products carefully listening to our customers and so improving efficiency and reliability of equipments and operations



Organization

Sitecna® 1000m² owned headquarter in Peschiera Borromeo (MI) Italy is the design, testing & stocking center for every product.

Our location very near to Linate airport and to main communication



ways, allows quick deliveries and quick shipments to domestic and international customers.

Our sales organization is helped by a capillary distribution network granting assistance in all the most important areas of the world.

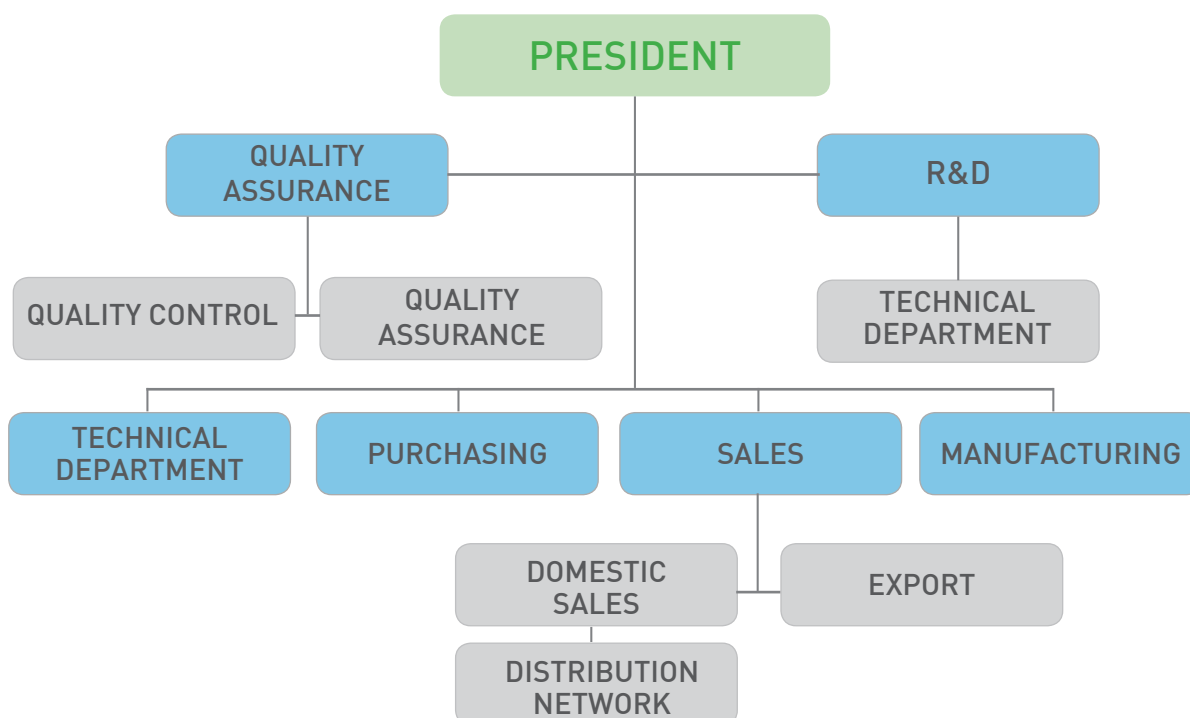
Contacts

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Account info : amministrazione@sitecna.eu

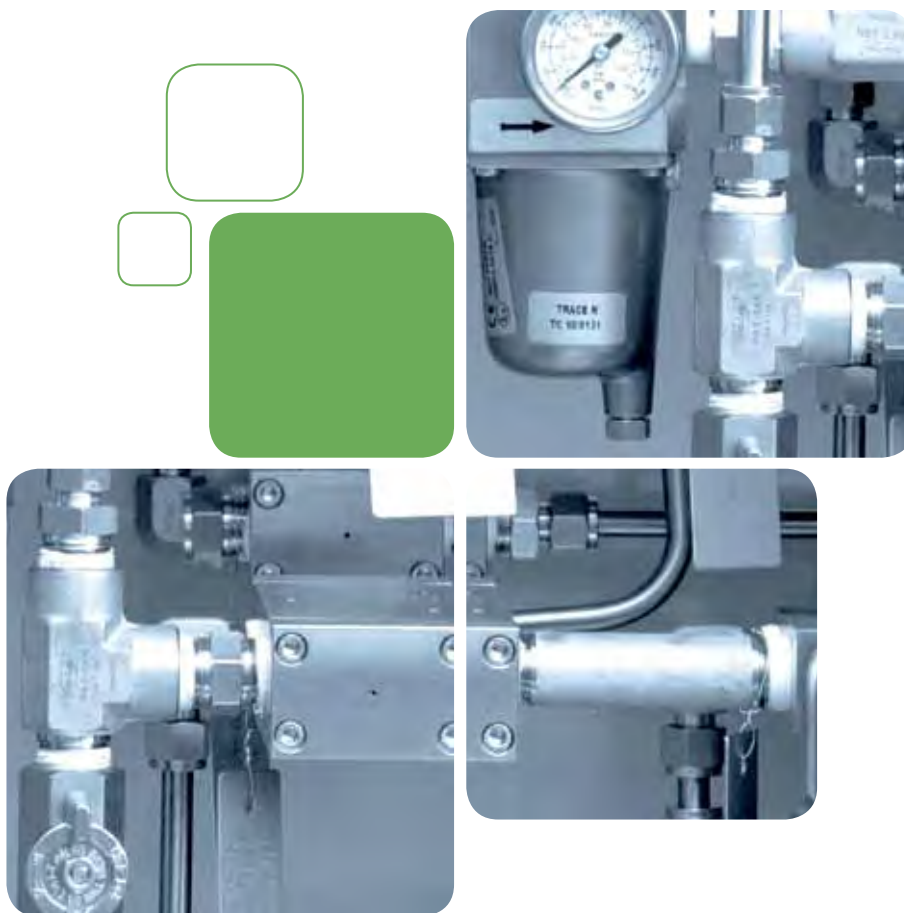


Know How

Almost thirty years of experience in the design, manufacture and distribution of high quality products and solutions for the most demanding applications.

A wide products range and a high level experience to face all your critical fluid control needs.

Technical approach in developing and anticipating international standards make us your **Trusted Partner!**



Customers & Applications

Sitecna has built its reputation for quality products among the largest industrial companies. End users, OEM, engineering companies are our typical customers.

Sitecna products are developed to satisfy the stringent needs of the oil, gas, petrochemical, refining, power, pharmaceutical and general process-instrumentation industries.

Our products are used where corrosion resistance and extreme temperatures are critical factors.



Engineering capabilities

Our engineering team comes from years of experience in the design of technological solutions.

We can offer a very specific know how in the following sectors:

Electro-pneumatic automation

Analysis

Fire & gas

Instrumentation



Health, Safety and Environment Policy - HSE

Sitecna® management is committed to providing a safe and healthful place of work throughout all of our facilities, offices and work sites and to make every effort towards eliminating any environmentally adverse effects of our operations.

We implements and continually improves an HSE management by:

- **providing adequate control of the health and safety risks arising from our work activities;**
- **providing and maintaining safe plant and equipments;**
- **ensuring safe handling and use of substances;**
- **providing information, instruction and supervision for employees;**
- **ensuring all employees are competent to do their tasks, and to give them adequate training;**
- **maintaining safe and healthy working conditions and reviewing and revising this policy as necessary at regular intervals.**

Our management is also committed to achieve improvements in the overall company environmental performance including prevention of pollution and conservation of natural resources.

All our needed electric energy is generated by the photovoltaic plant on the roof of our structure.



PRODUCTS

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Section A – Air/gas Preparation Equipments Sezione A – Apparecchi per trattamento aria/gas

A complete range of components for air-gas preparation designed to be used in the harshest environments

- Pressure regulators, Filter regulators, Filters, Back pressure regulators, Relays, Volume Boosters
- Standard Sizes 1/4", 3/8", 1/2", 3/4", 1"
- Copper free aluminum alloy or Stainless steel 316 complete construction (internals & externals)
- Standard seals & diaphragm available in NBR, EPDM, FVQM, FKM, Special compounds
- Standard filtering elements available coalescing type or 5, 25 and 40 micron in SS316
- Temperature range from -55°C to 140°C
- Manual o automatic condensate drain
- Relieving or Non relieving versions
- Max inlet pressure to 30bar
- Full material traceability
- EN10204 3,1, ATEX and EAC certified range
- 100% Italian production
- 24 hours shipment service available



Una gamma di componenti per il trattamento di aria e gas progettata per l'utilizzo negli ambienti più inospitali

- Regolatori di pressione, Filtri regolatori, Filtri, Regolatori di back pressure, Relays pneumatici
- Connessioni std da 1/4", 3/8", 1/2", 3/4", 1"
- Costruzione completamente in alluminio esente rame o AISI316L
- Tenute e diaframmi std in NBR, EPDM, FKM, mescole speciali
- Elementi filtranti a coalescenza od in SS316 da 5, 25 o 40 micron
- Temperature da -55°C a +140°C
- Scarichi condensa manuali od automatici
- Pressioni di alimentazione fino a 30BAR
- Completa rintracciabilità di tutti i componenti
- Certificati EN10204 3,1, ATEX, EAC
- Produzione 100% italiana
- Spedizioni in 24 ore

Ordering information

Informazioni per l'ordine



Copper free aluminum alloy filters

Filtri in lega di alluminio esente rame

1/4", 3/8", 1/2", 3/4", 1", 1 1/2", 2"
coalescing, 5 micron, 25 micron, 40 micron



Copper free aluminum alloy pressure regulators

Regolatori di pressione in lega di alluminio esente rame

1/4", 3/8", 1/2", 3/4", 1"



Copper free aluminum alloy filter regulators

Regolatori di pressione in lega di alluminio esente rame

1/4", 3/8", 1/2", 3/4", 1"



Stainless steel 316L Tee filters

Filtri a T in AISI316L

1/4"



Stainless steel 316L pneumatic filters

Filtri per pneumatica in AISI316L

1/4", 3/8", 1/2", 3/4", 1", 1 1/2", 2"



Stainless steel 316L pressure regulators

Regolatori di pressione in AISI316L

1/4", 3/8", 1/2", 3/4", 1"



Stainless steel 316L filter regulators

Filtri regolatori di pressione in AISI316L

1/4", 3/8", 1/2", 3/4", 1"



Stainless steel 316L back-pressure regulators

Regolatori di back-pressure in AISI316L

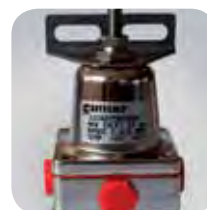
1/4"



Stainless steel 316L 2&3 way pneumatic relays

Relays pneumatico a due e tre vie in AISI316L

1/4"



Ordering information VB serie

Informazioni per l'ordine serie VB



Aluminium Alloy Volume Booster

Amplificatore di flusso in lega di alluminio

1/4", 1/2", 3/4", 1"

Free exhaust, threaded exhaust port



SS316L Volume Booster

Amplificatore di flusso in AISI316L

1/4", 1/2", 3/4", 1"

Free exhaust, threaded exhaust port



Ordering information

Come ordinare

TYPE	SIZE	RANGE	ACCESSORIES
F= Filter FR= Filter Regulator R= Regulator TF= Tee Filter* BP= Back Pressure* SV= Switch Valve 2/2* S3= Switch Valve 3/2* * (only 1/4"NPT)	04= 1/4" NPT* 06= 3/8" NPT 08= 1/2" NPT 12= 3/4" NPT 16= 1" NPT 20= 1" 1/4"NPT 24= 1" 1/2"NPT 32= 2"NPT	0= None 1= 0.2-2 bar 2= 0.2-4 bar 3= 0.4-8 bar 4= 0.4-10 bar 6= 4-25 bar 7= 4-35 bar	0= None 2= SS bracket kit 3= Panel nut&handwheel 4= Customised Tag 5= SS bracket kit + nut&hanwheel 6= SS bracket kit+custom.Tag 8= CS bracket kit

FR	06	3	1	1S	5	6	SS	FK	2	#	#
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FILTER ELEMENT	DIAPHRAGM & SEALS MATERIAL	PRESSURE GAUGE	OPTION	MATERIAL
0= None 1= 5 micron 2= 25 micron 3= 40 micron 4= coalescing	FK= FKM (WT-25° +90°C) NB= NBR (WT-20° +80°C) LT= EPDM (WT-40° +80°C) FL= Special compound (WT-55°+90°C)	0= None 1S= all AISI316 (SS 304 case) 1B= AISI304 case (brass connection) 1C= CS painted case (brass connection) 1X= all AISI316 (AISI316Ti case)	00= None 05= No relieving 06= 1/4" gauge port 07= Automatic drain 56= No relieving 1/4" gauge port 57= No relieving Automatic drain 67= 1/4" gauge port Automatic drain X= Special	SS= 316-316L Stainless steel AL= Copper free aluminum alloy SP= Special



CODE EXAMPLES

FR	06	3	3	1S	0	7	SS	FK	2	
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
3/8"NPT, SS316, 0 to 8 bar range, filter regulator, with 40 micron filtering element, relieving, SS pressure gauge, automatic drain, ss bracket kit and FKM diaphragm & seals
 Filtro regolatore da 3/8"NPT in AISI316, range regolato 0/8 bar, elemento filtrante da 40 micron, manometro tutto inox, relieving, scarico condensa automatico, staffa inox, diaframma e tenute in FKM

FR	06	3	1	00	0	0	SS	FK	0	
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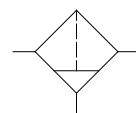
3/8"NPT, SS316, 0 to 8 bar range, filter regulator, with 5 micron filtering element, relieving and FKM diaphragm & seals
 Filtro regolatore da 3/8"NPT in AISI316, range regolato 0/8 bar, elemento filtrante da 5 micron, relieving, diaframma e tenute in FKM

Aluminum Alloy 1/4" - 3/8" - 1/2" NPT Filter- F serei

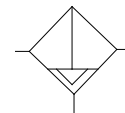
Filtro da 1/4" - 3/8" - 1/2"NPT in lega di alluminio – serie F

- Suitable to automation equipment, to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- High flow capacity
- ATEX 94/9/CE  II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari.
- Completa rintracciabilità dei materiali
- Elevate portate
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 



Manual Drain



Automatic Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1/4"-3/8"-1/2" NPT
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Filtering element Elemento filtrante	Coalescing or 5, 25, 40 micron in st. st. 316
Max inlet pressure Pressione massima di ingresso	25bar
Drain valve / Scarico condensa	manual or automatic
Flow Rate (Ø6 bar Inlet pressure, delta P=0.5bar) / Portata	1/4" - 1000dm3/min Cv=1,4 1/2" - 4815dm3/min Cv=6,6
Working Temperature Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version available for -55°C up to 90°C**

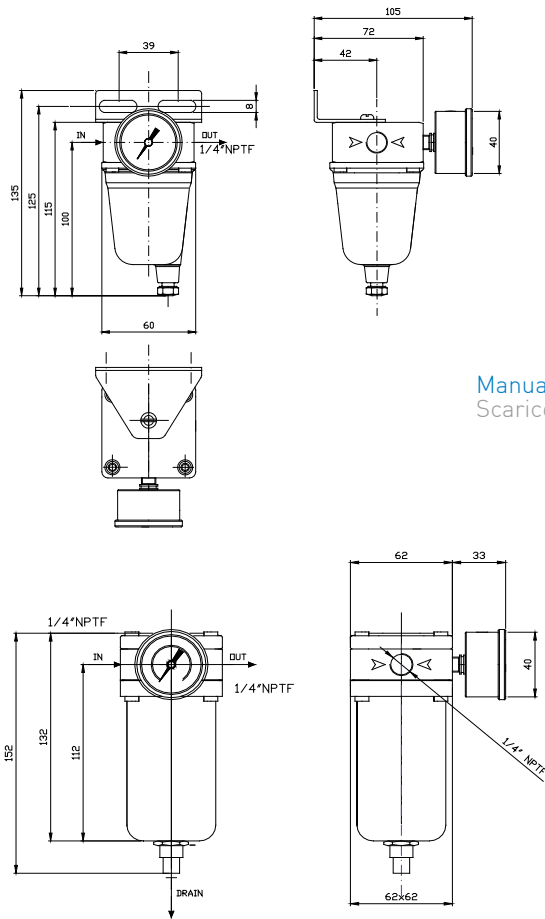
It provides excellent filtration for a wide range of applications. Rugged and corrosion-resistant – made of die cast copper free aluminium alloy and AISI304/316 stainless steel. Compact small package size / Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in lega di alluminio esente rame tropicalizzata e SS304/316. Dimensioni di ingombro ridotte

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in tropicalized aluminum alloy, internals, in stainless steel	Corpo, coperchio, tazza in lega di alluminio tropicalizzata, particolari interni in acciaio inossidabile
Bracket, lock and panel nuts, fixing screws in stainless steel or galvanized steel	Staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile od acciaio galvanizzato
Seals in elastomer	Tenute in elastomero
5, 25&40micron filtering element in AISI316 stainless steel	Elemento filtrante da 5, 25 e 40 micron in acciaio inossidabile AISI316
Coalescing filtering element in bonded micro-fibre	Elemento filtrante a coalescenza in microfibra

Overall dimension

Dimensioni di ingombro

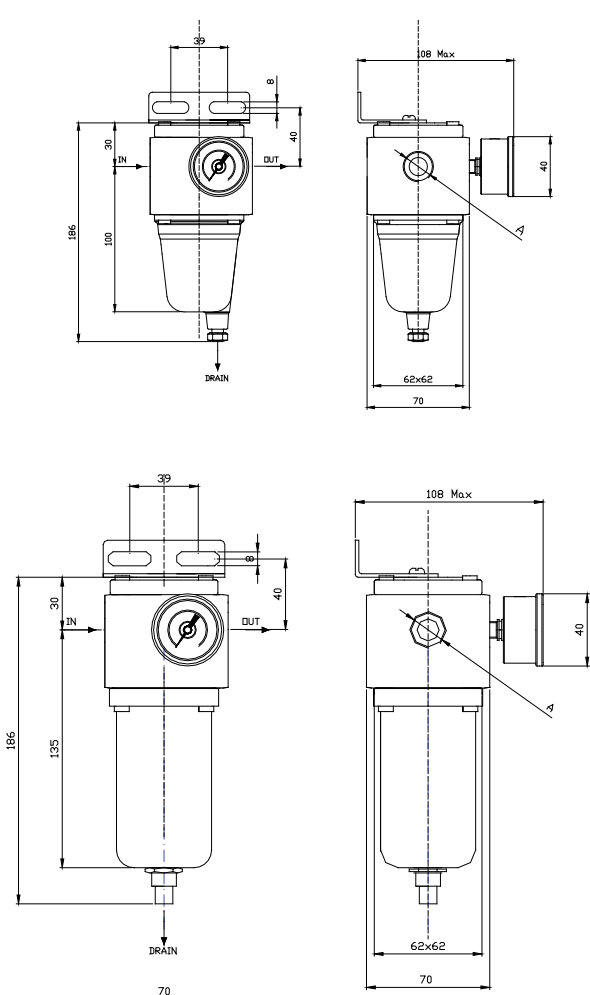
F04 serie



Manual drain
Scarico manuale

F04 A = 1/4"

F06, F08 serie



Automatic drain
Scarico automatico

F06 A = 3/8"

F08 A = 1/2"

Max inlet pressure for automatic drain 16bar
Massima pressione di ingresso con scarico automatico 16bar

Accessories and repair kit




Accessori e ricambi




Maintenance kit / Kit manutenzione	Items F -04-K-XAL-** [1/4"] F -08-K-XSAL-** [1/2"]
Pressure gauge DN40mm, all AL Bar+psi+kpa range / Manometro DN40mm, cassa inox, scala Bar+psi+kpa	0-2bar MBSNP4S2PN3S 0-4bar MBSNP4S2PN05 0-10bar MBSNP4S2PN07
Bracket and lock nut / Staffa e Dado	SQ-FR04/S

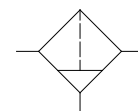
** Refers to seals type:
FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

Aluminum alloy 3/4"-1"NPT Filter – F serie

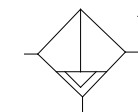
Filtro da 3/4" - 1"NPT in lega di alluminio – serie F

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE  II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 



Manual Drain



Automatic Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	3/4"-1" NPT
Gauge Connection Connessione manometro	1/4"NPT (1/8"NPT option)
Filtering element Elemento filtrante	stainless steel 25micron standard
Max inlet pressure / Pressione massima di ingresso	25bar
Drain valve/ Scarico condensa	Manual or automatic
Flow Rate (@6 bar Inlet pressure, delta P=0.35bar)/ Portata	3/4" - 7500dm ³ /min Cv=12,2 1" - 10000dm ³ /min Cv=16,3
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version available for -55°C up to 90°C**

It provides excellent filtering for a wide range of applications. Rugged and corrosion-resistant – made of barstock aluminium alloy and AISI304/316 / Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in lega di alluminio tropicalizzata e AISI304/316

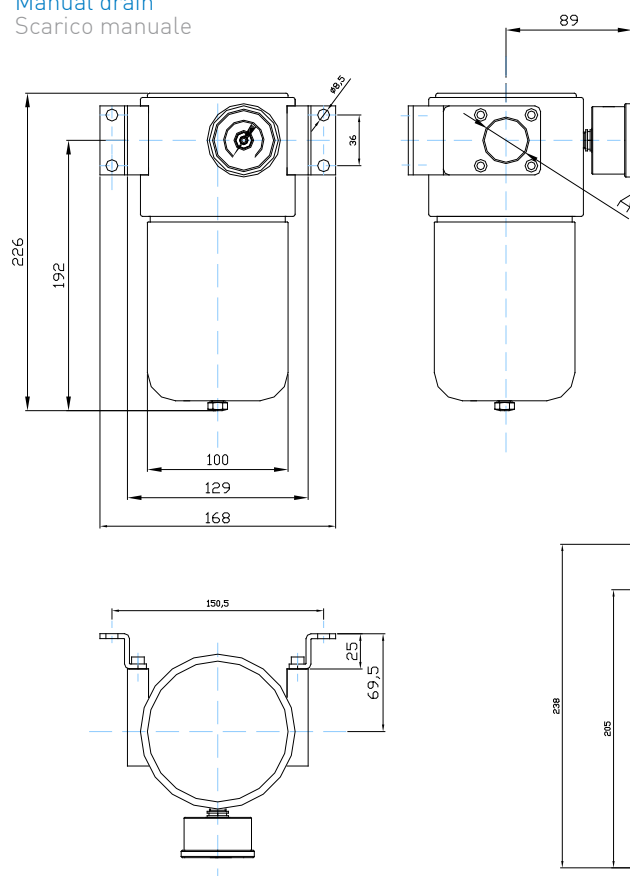
BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in tropicalized aluminum alloy, internals in stainless steel	Corpo, coperchio, tazza in lega di alluminio tropicalizzata, particolari interni in acciaio inossidabile
Lock and panel nuts, fixing screws AISI316 stainless steel or galvanized steel	Dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile od acciaio galvanizzato
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Filtering element in AISI316 stainless steel	Elemento filtrante in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

Overall dimension

Dimensioni di ingombro

Manual drain

Scarico manuale

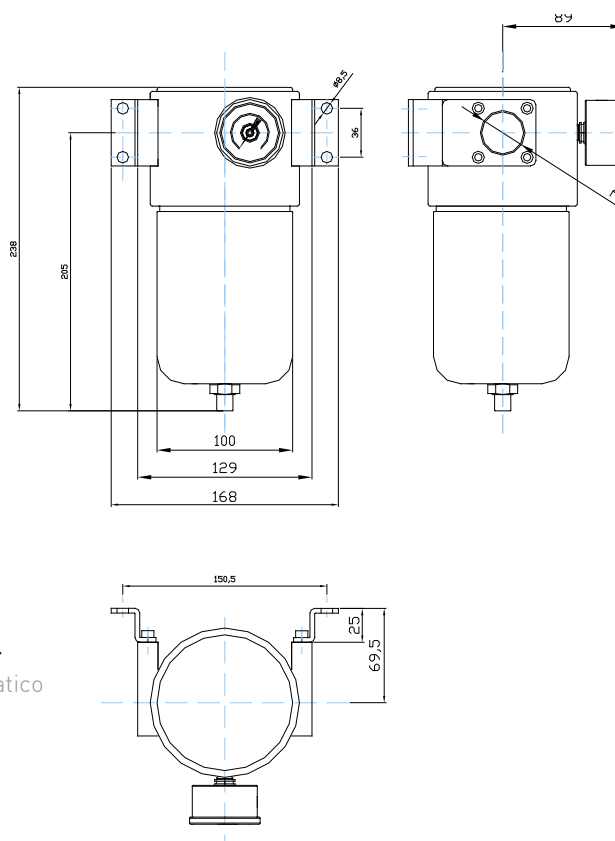


F12 A = 3/4"

F16 A = 1"

Automatic drain

Scarico automatico



Max inlet pressure for automatic drain 16bar

Massima pressione di ingresso con scarico automatico 16bar

Accessories and repair kit

Accessori e ricambi



Maintenance kit / Kit manutenzione	Items F-16-K-XAL-** [3/4"; 1"]
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, cassa inox, scala Bar+psi+kpa	0-2bar MBSNP4S2PN3S 0-4bar MBSNP4S2PN05 0-10bar MBSNP4S2PN07
Bracket and screws / Staffa e Viti	SQ-FR16


** Refers to seals type:

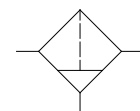
FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

Aluminum alloy 1 1/2"-2"NPT Filter – F serie

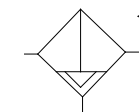
Filtro da 1 1/2"-2"NPT in lega di alluminio – serie F

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 



Manual Drain



Automatic Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1 1/2"-2" NPT
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Filtering element Elemento filtrante	stainless steel 25micron standard
Max inlet pressure / Pressione massima di ingresso	20bar
Drain valve/ Scarico condensa	Manual or automatic
Flow Rate (@6 bar Inlet pressure, delta P=0.35bar)/ Portata	1 1/2" - 21000dm3/min Cv=34,5 2" - 29000dm3/min Cv=46,5
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

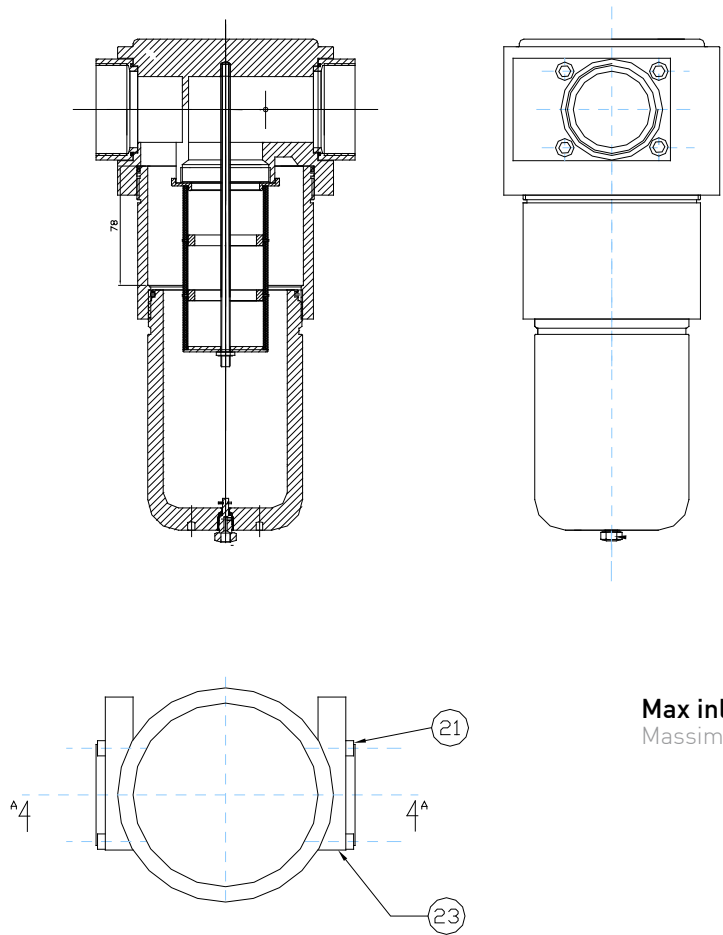
*Special version available for -55°C up to 90°C

It provides excellent filtering for a wide range of applications. Rugged and corrosion-resistant – made of barstock aluminium alloy and AISI304/316 / Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in lega di alluminio tropicalizzata e AISI304/316

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in tropicalized aluminum alloy, internals in stainless steel	Corpo, coperchio, tazza in lega di alluminio tropicalizzata, particolari interni in acciaio inossidabile
Lock and panel nuts, fixing screws AISI316 stainless steel or galvanized steel	Dadi di bloccaggio e pannello, viti di fissaggio acciaio inossidabile od acciaio galvanizzato
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Filtering element in AISI316 stainless steel	Elemento filtrante in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

Overall dimension
Dimensioni di ingombro

F24, F32 serie



F24 A = 1 1/2"

F32 A = 2"

Max inlet pressure for automatic drain 16bar
Massima pressione di ingresso con scarico automatico 16bar







Accessories and repair kit
Accessori e ricambi

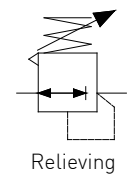
Maintenance kit / Kit manutenzione	Items F-32-K-XAL-** [1 1/2"; 2"]
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, cassa inox, scala Bar+psi+kpa	0-2bar MBSNP4S2PN3S 0-4bar MBSNP4S2PN05 0-10bar MBSNP4S2PN07

** Refers to seals type:
FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

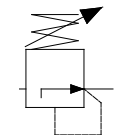
Aluminum Alloy 1/4"NPT Pressure Regulator- R Serie

Regolatore di pressione da 1/4"NPT in lega di alluminio - serie R

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE  GD c IICT6 X
-  &  approved
- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE  IIC2GD c IICT6 X
- Approvato  ed 



Relieving



Non Relieving

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1/4" NPT
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Max inlet pressure Pressione massima di ingresso	25bar
Relieving / Scarico sovrappressioni	standard
Flow Rate (Q10 bar inlet, 6bar regulated, delta P=1bar)/ Portata	940dm3/min Cv=0.9
Working Temperature Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Regulated pressure Pressioni regolate	0/2, 0/4, 0/8, 0/10bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

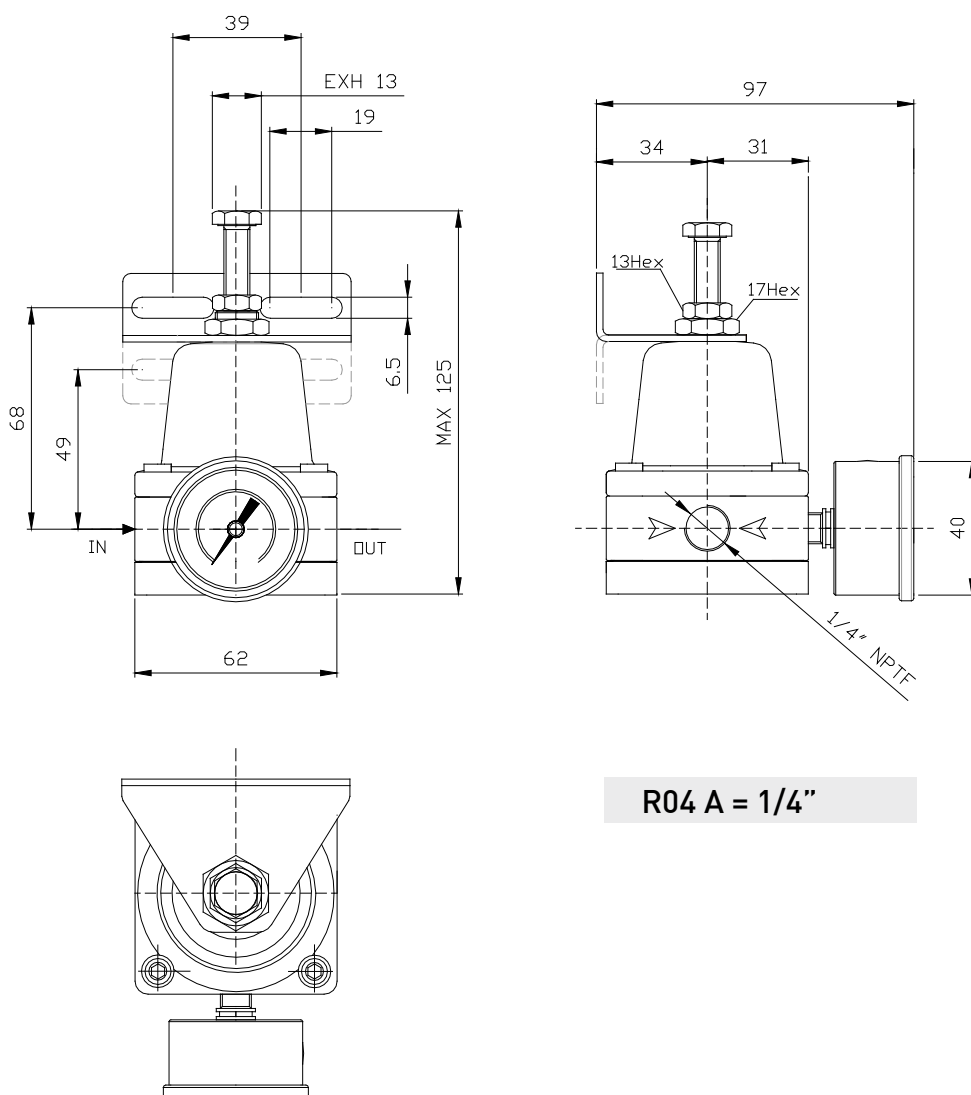
***Special version available for -55°C up to 90°C**

It provides excellent regulation for a wide range of applications. Rugged and corrosion-resistant – made of aluminum alloy and SS AISI304/316. Compact small package size / Permette una regolazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito lega di alluminio ed AISI304/316 - Dimensioni di ingombro ridotte

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in tropicalized aluminum alloy, internals in stainless steel	Corpo, coperchio, piastra inferiore in lega di alluminio tropicalizzata, particolari interni in acciaio inossidabile
Adjustment screw, bracket, lock and panel nuts, fixing screws in AISI316 stainless steel or galvanized steel	Vite di regolazione, staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile AISI316 od acciaio galvanizzato
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Valve spring, adjustment spring in AISI316 stainless steel	Molla valvola e di regolazione in acciaio inossidabile AISI316
Elastomeric seals	Guarnizioni elastomeriche

Overall dimension

Dimensioni di ingombro



R04 A = 1/4"

Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	Items R-04-K-XAL-** [1/4"]
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, cassa inox, scala Bar+psi+kpa	0-2bar MBSNP4S2PN3S 0-4bar MBSNP4S2PN05 0-10bar MBSNP4S2PN07
Bracket and lock nut /Staffa e Dado	SQ-FR04

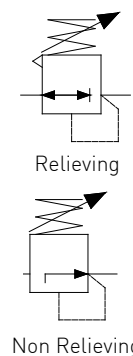
** Refers to seals type:

FK→FKM NB→NBR LT→EPDM FL→Low temperature Compound

Aluminium Alloy 3/8"-1/2"NPT Pressure Regulator – R serie

Regolatore di pressione da 3/8" e 1/2"NPT in lega di alluminio – serie R

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE  II2GD c IICT6 X
-  &  approved
- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	3/8"-1/2"NPT
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Max inlet pressure Pressione massima di ingresso	25bar
Relieving / Scarico sovrappressioni	standard
Flow Rate (Q10 bar inlet, 6bar regulated, delta P=1bar) / Portata	4500dm³/min Cv=4.5
Working Temperature Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Regulated pressure Pressioni regolate	0/2, 0/4, 0/8, 0/10bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version available for -55°C up to 90°C**

It provides excellent regulation for a wide range of applications. Rugged and corrosion-resistant – made of aluminum alloy and SS AISI304/316. Compact small package size – light weight / Permette una regolazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito lega di alluminio ed AISI304/316 - Dimensioni di ingombro ridotte

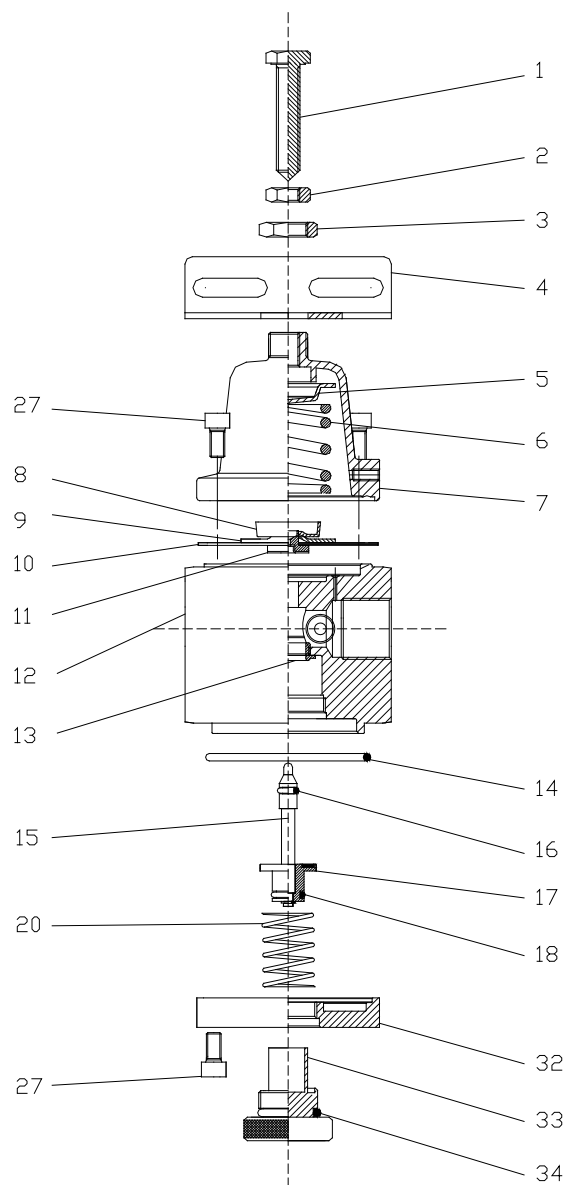
BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in tropicalized aluminum alloy, internals in stainless steel	Corpo, coperchio, piastra inferiore in lega di alluminio tropicalizzata, particolari interni in acciaio inossidabile
Adjustment screw, bracket, lock and panel nuts, fixing screws in AISI316 stainless steel or galvanized steel	Vite di regolazione, staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile AISI316 od acciaio galvanizzato
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Valve spring, adjustment spring in AISI316 stainless steel or galvanized steel	Molle valvola e di regolazione in acciaio inossidabile AISI316 od acciaio galvanizzato
Elastomeric seals	Guarnizioni elastomeriche

Item description

Descrizione item

Pos. Description - Descrizione

1. Adjusting screw / Vite di regolazione
2. Lock nut / Dado bloccaggio vite
3. Panel nut / Dado staffa
4. Bracket / Staffa
5. Upper spring rest / Sede superiore molla
6. Spring / Molla di regolazione
7. Bonnet / Coperchio
8. Lower spring guide / Guida molla inferiore
9. Lower spring rest / Sede inferiore molla
10. Diaphragm / Diaframma
11. Valve seat / Sede valvola
12. Body / Corpo
13. Valve seat / Sede valvola
14. O'ring (Bowl) / O'ring tazza
15. Valve stem / Stelo valvola
16. O'ring (valve stem) / O'ring stelo valvola
17. Valve / Corpo valvola
18. O'ring (valve body) / O'ring corpo valvola
20. Spring valve / Molla valvola
27. Bowl screw (M5x8) / Piastra inferiore
32. End plate / Piastra inferiore
33. Valve seat / Sede valvola
34. Valve seat O'ring / O'ring sede inferiore valvola



Accessories and repair kit

Accessori e ricambi

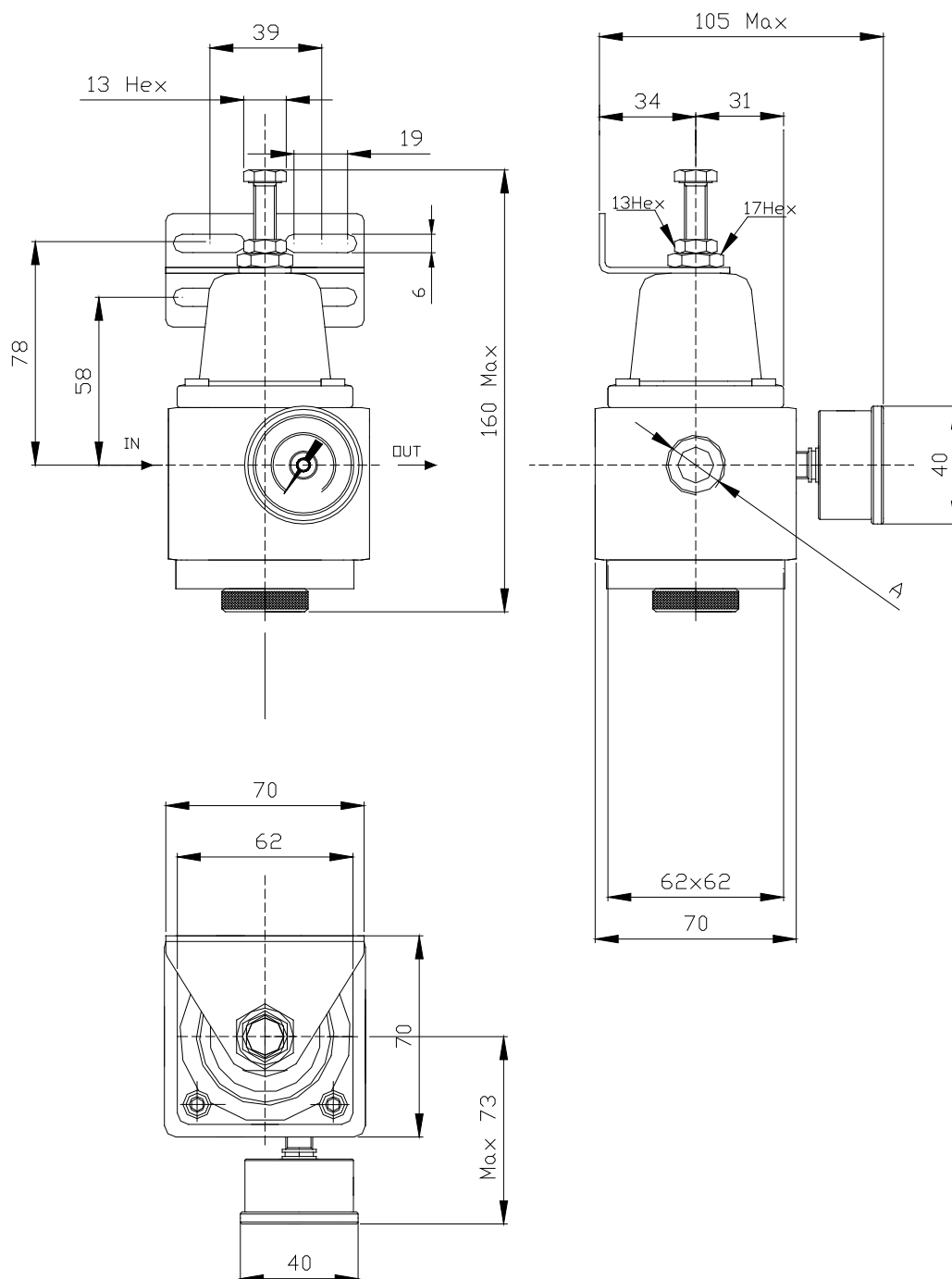
Maintenance kit / Kit manutenzione	Items R-06-K-XAL-** [3/8" - 1/2"]
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, cassa inox, scala Bar+psi+kpa	0-2bar MBSNP4S2PN3S 0-4bar MBSNP4S2PN05 0-10bar MBSNP4S2PN07
Bracket and lock nut / Staffa e Dado	SQ-FR04

** Refers to seals type:

FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

Overall dimension

Dimensioni di ingombro





R06 A = 3/8"


R08 A = 1/2"

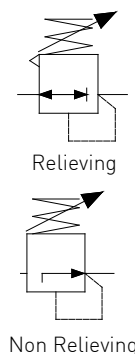
BT-R8AL/C11C

Aluminum alloy 3/4"-1"NPT Pressure Regulator – R serie

Regolatore di pressione da 3/4"- 1"NPT in lega di alluminio – serie R

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	3/4"-1" NPT
Gauge Connection Connessione manometro	1/4"NPT (1/8"NPT option)
Max inlet pressure / Pressione massima di ingresso	25bar
Relieving/ Scarico sovrappressioni	Standard
Flow rate (@10bar inlet, 6bar regulated, delta P=1bar) / Portata	11500dm ³ /min Cv=11.5
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Regulated pressure Pressioni regolate	0/2, 0/4, 0/8, 0/10bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

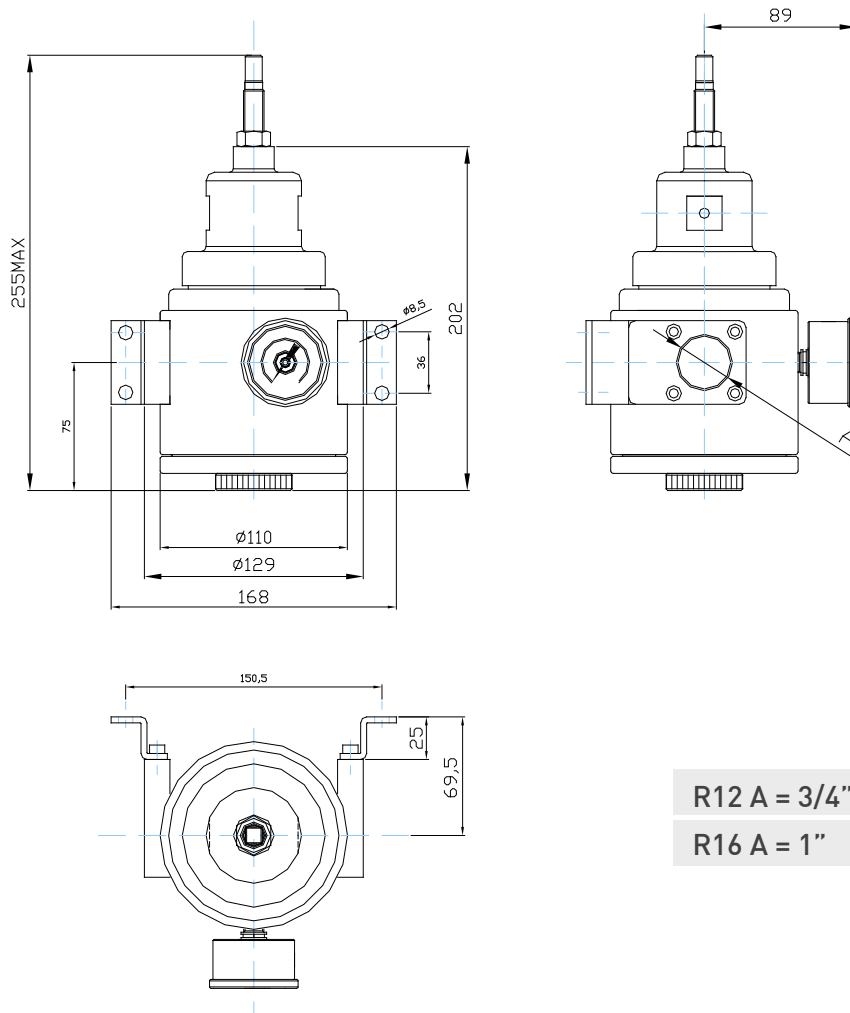
*Special version available for -55°C up to 90°C

It provides excellent regulation and for a wide range of applications. Rugged and corrosion-resistant – made of aluminum alloy and SS AISI304/316 / Permette un'accurata regolazione per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito lega di alluminio ed AISI316

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in tropicalized aluminum alloy, internals in stainless steel	Corpo, coperchio, piastra inferiore in lega di alluminio tropicalizzata, particolari interni in acciaio inossidabile
Adjustment screw, lock and panel nuts, fixing screws AISI316 stainless steel or galvanized steel	Vite di regolazione, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile od acciaio galvanizzato
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Valve spring & adjustment spring AISI316 stainless steel	Molle valvola e di regolazione in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

Overall dimension

Dimensioni di ingombro



R12 A = 3/4"

R16 A = 1"

Accessories and repair kit

Accessori e ricambi




Maintenance kit / Kit manutenzione	Items R-16-K-XAL-** [3/4"; 1"]
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, cassa inox, scala Bar+psi+kpa	0-2bar MBSNP4S2PN3S 0-4bar MBSNP4S2PN05 0-10bar MBSNP4S2PN07
Bracket and screws / Staffa e Viti	SQ-FR16




** Refers to seals type:

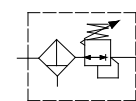
FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

Aluminum alloy 1/4"NPT Filter Regulator – FR serie

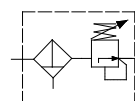
Filtro Regolatore da 1/4"NPT in lega di alluminio – serie FR

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE  I2GD c IICT6 X
-  &  approved

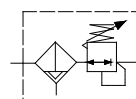
- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE  2GD c IICT6 X
- Approvato  ed 



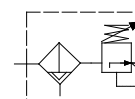
Manual Drain Relieving



Manual Drain Non Relieving



Automatic Drain Relieving



Automatic Drain Non Relieving

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Conessioni	1/4"NPT
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Max inlet pressure Pressione massima di ingresso	25bar
Filtering element Elemento filtrante	5 micron in ss316 std (25 & 40 micron in st. st. 316 available)
Drain valve / Scarico condensa	Manual or automatic
Flow Rate (@10 bar inlet, 6bar regulated, delta P=1bar)/ Portata	940dm3/min Cv=0.9
Working Temperature Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Regulated pressure Pressioni regolate	0/2, 0/4, 0/8, 0/10bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version available for -55°C up to 90°C**

It provides excellent regulation and filtering for a wide range of applications. Rugged and corrosion-resistant – made of aluminum alloy and SS AISI304/316. Compact small package size / Permette un'accurata regolazione e filtraggio per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito lega di alluminio ed AISI316 - Dimensioni di ingombro ridotte

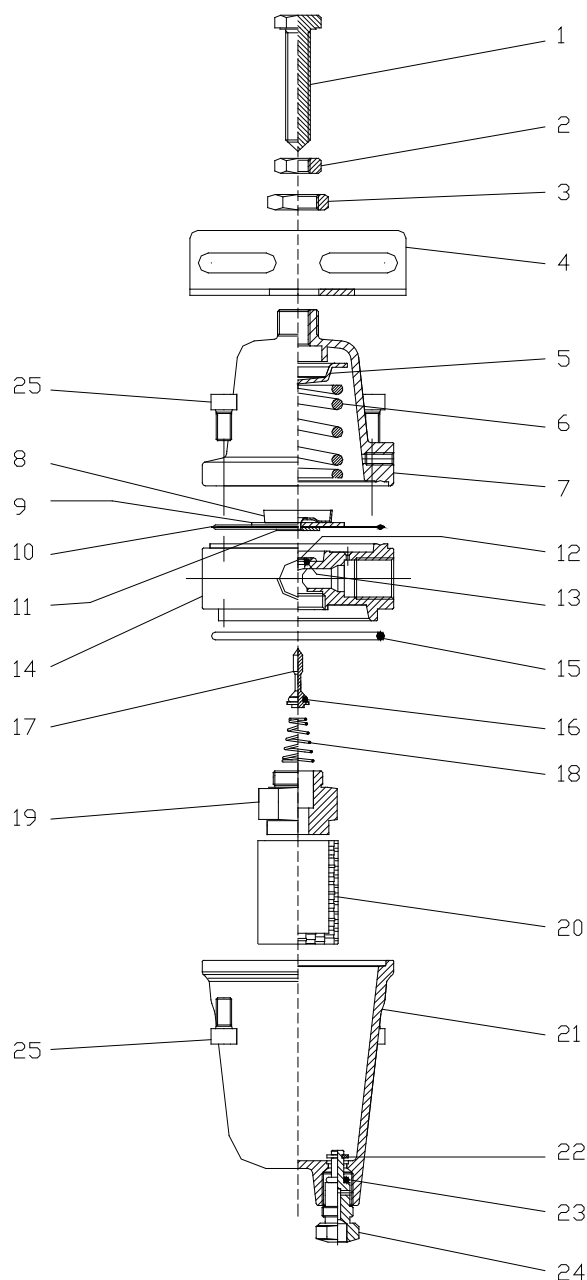
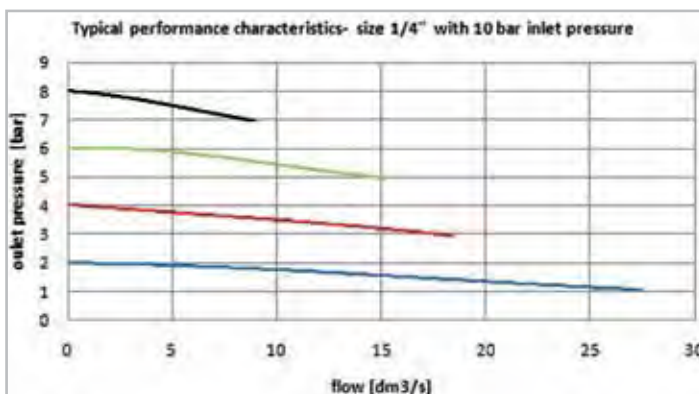
BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in tropicalized copper free aluminum alloy, internals in stainless steel AISI304/316	Corpo, coperchio, tazza in lega di alluminio esente rame tropicalizzata, particolari interni in AISI304/316
Bracket, lock and panel nuts, fixing screws in AISI316 stainless steel or galvanized steel	Vite di regolazione, staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile AISI316 od acciaio galvanizzato
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
5, 25&40micron filtering element in sinterized AISI316 ss; Coalescing filtering element in bonded micro-fibre	Elementi filtranti da 5, 25 e 40micron in AISI316 sinterizzato; elemento filtrante a coalescenza in micro-fibra
Valve spring, adjustment spring in AISI316SS or galvanized steel	Molle valvola e di regolazione in AISI316 od acciaio galvanizzato
Elastomeric seals	Guarnizioni elastomeriche

Item description

Descrizione item

Pos. Description - Descrizione

1. Adjusting screw / Vite di regolazione
2. Lock nut / Dado bloccaggio vite
3. Panel nut / Dado staffa
4. Bracket / Staffa
5. Upper spring rest / Sede superiore molla
6. Spring / Molla di regolazione
7. Bonnet / Coperchio
8. Lower spring guide / Guida molla inferiore
9. Lower spring rest / Sede inferiore molla
10. Diaphragm / Diaframma
11. Valve seat / Sede valvola
12. Ring / Arresto
13. O'ring valve steam / O'ring guida valvola
14. Body Corpo
15. O'ring (bowl) / O'ring tazza
16. O'ring (valve) / O'ring valvola
17. Valve / Corpo valvola
18. Spring valve / Molla valvola
19. Filter element support / Supporto elemento filtrante
20. Element / Elemento filtrante
21. Bowl / Tazza
22. Ring / Anello benzin
23. O'ring (drain) / O'ring rubinetto
24. Manual drain / Rubinetto di scarico
25. Screw (M5x8) Vite di fissaggio M5x8



Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione [1/4"]	Items FR-04-K-XAL-**
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, cassa inox, scala Bar+psi+kpa	0-2bar MBSNP4S2PN3S 0-4bar MBSNP4S2PN05 0-10bar MBSNP4S2PN07
Bracket and lock nut / Staffa e Dado	SQ-FR04

** Refers to seals type:

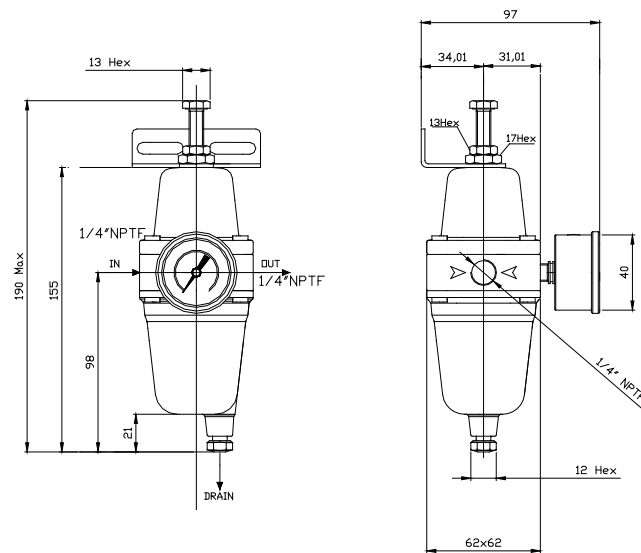
FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

Overall dimension

Dimensioni di ingombro

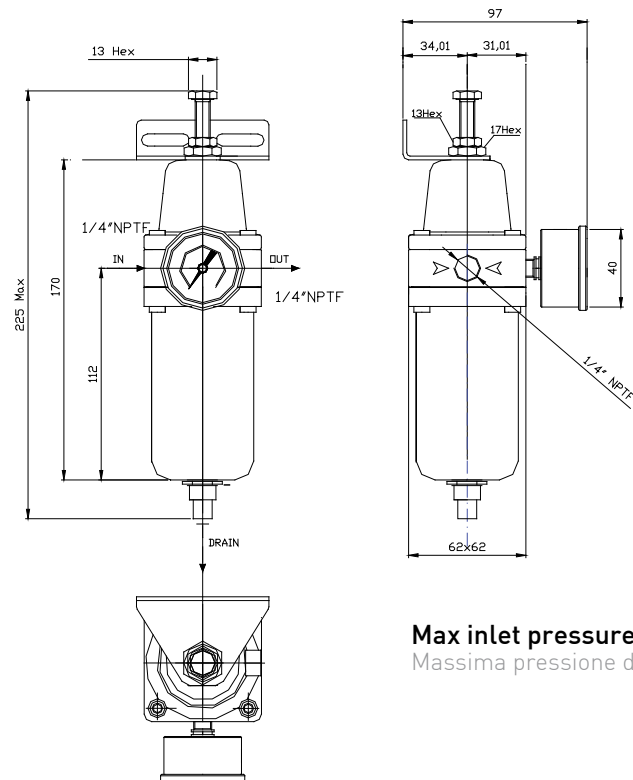
Manual drain

Scarico manuale



Automatic drain

Scarico automatico







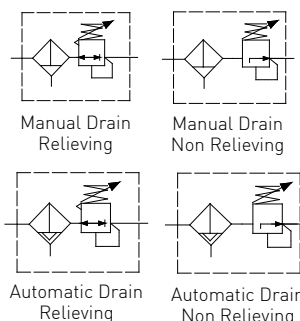
Max inlet pressure for automatic drain 16bar

Massima pressione di ingresso con scarico automatico 16bar

Aluminum alloy 3/8"-1/2"NPT Filter Regulator – FR serie

Filtro Regolatore da 3/8" e 1/2"NPT in lega di alluminio – serie FR

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved
- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Conessioni	3/8"-1/2"NPT
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Filtering element Elemento filtrante	5, 25, 40 micron in SS316
Max inlet pressure / Pressione massima di ingresso	25bar
Drain valve/ Scarico condensa	Manual or automatic
Flow rate (@10bar inlet, 6bar regulated, delta P=1bar)/ Portata	4500dm3/min Cv=4.5
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Regulated pressure Pressioni regolate	0/2, 0/4, 0/8, 0/10bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version available for -55°C up to 90°C**

It provides excellent regulation and filtering for a wide range of applications. Rugged and corrosion-resistant – made of aluminum alloy and SS AISI304/316. Compact small package size / Permette un'accurata regolazione e filtraggio per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito lega di alluminio ed AISI316 - Dimensioni di ingombro ridotte

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in tropicalized copper free aluminum alloy, internals in st. st. AISI304/316	Corpo, coperchio, tazza in lega di alluminio esente rame tropicalizzata, interni in AISI304/316
Bracket, lock and panel nuts, fixing screws in AISI316 stainless steel or galvanized steel	Vite di regolazione, staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile AISI316 od acciaio galvanizzato
Diaphragm and valve assembly in elastomer and AISI316 st. st.	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
5, 25&40micron filtering element in sinterized AISI316 ss; Coalescing filtering element in bonded micro-fibre	Elementi filtranti da 5, 25 e 40micron in AISI316 sinterizzato; elemento filtrante a coalescenza in micro-fibra
Valve spring, adjustment spring in AISI316SS or galvanized steel	Molle valvola e di regolazione in AISI316 od acciaio galvanizzato
Elastomeric seals	Guarnizioni elastomeriche

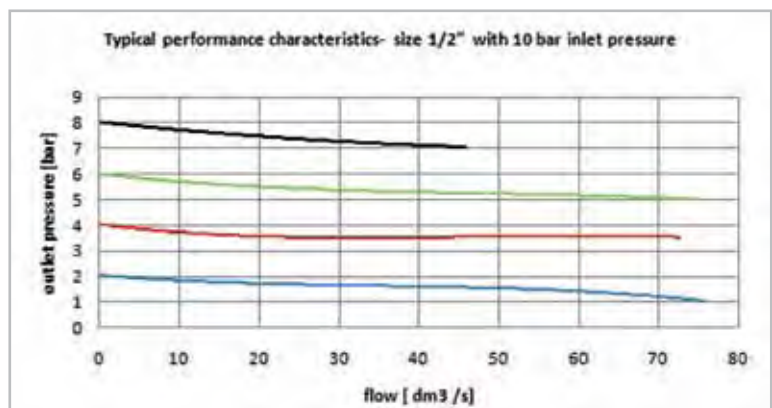
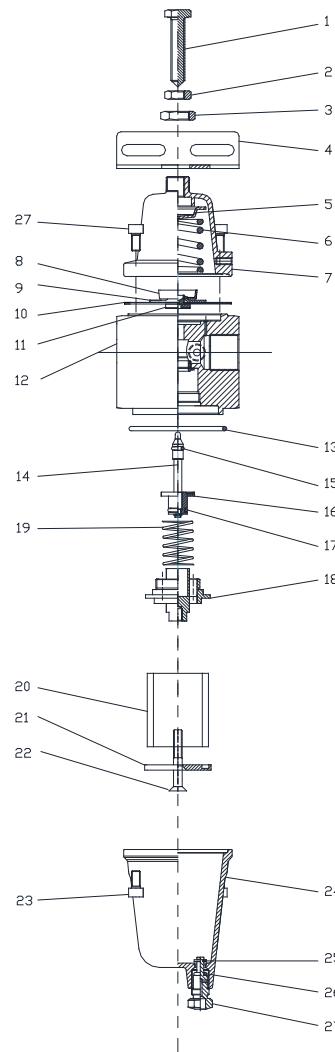
BT-FR8AL/C15A

Item description

Descrizione item

Pos. Description - Descrizione

1. Adjusting screw / Vite di regolazione
2. Lock nut / Dado bloccaggio vite
3. Panel nut / Dado staffa
4. Bracket / Staffa
5. Upper spring rest / Sede superiore molla
6. Spring / Molla di regolazione
7. Bonnet / Coperchio
8. Lower spring guide / Guida molla inferiore
9. Lower spring rest / Sede inferiore molla
10. Diaphragm / Diaframma
11. Valve seat / Sede valvola
12. Body / Corpo
13. O'ring (Bowl) / O'ring tazza
14. Valve stem / Stelo valvola
15. O'ring (valve stem) / O'ring stelo valvola
16. Valve Corpo valvola
17. O'ring (valve body) O'ring corpo valvola
18. Filter element support / Supporto elemento filtrante
19. Spring valve / Molla valvola
20. SS316 Filtering element / Elemento filtrante in SS316
21. SS Filtering Element plug / Fondello elemento filtrante SS
22. SS Filtering element screw / Vite elemento filtrante
23. Bowl screw (M5x8) / Vite di fissaggio tazza M5x8
24. Bowl / Tazza
25. Ring / Anello benzin
26. O'ring (drain) / O'ring rubinetto
27. Manual drain / Rubinetto di scarico



Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	Items FR-06-K-XAL-** [3/8" - 1/2"]
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, cassa inox, scala Bar+psi+kpa	0-2bar MBSNP4S2PN3S 0-4bar MBSNP4S2PN05 0-10bar MBSNP4S2PN07
Bracket and lock nut / Staffa e Dado	SQ-FR04

** Refers to seals type:

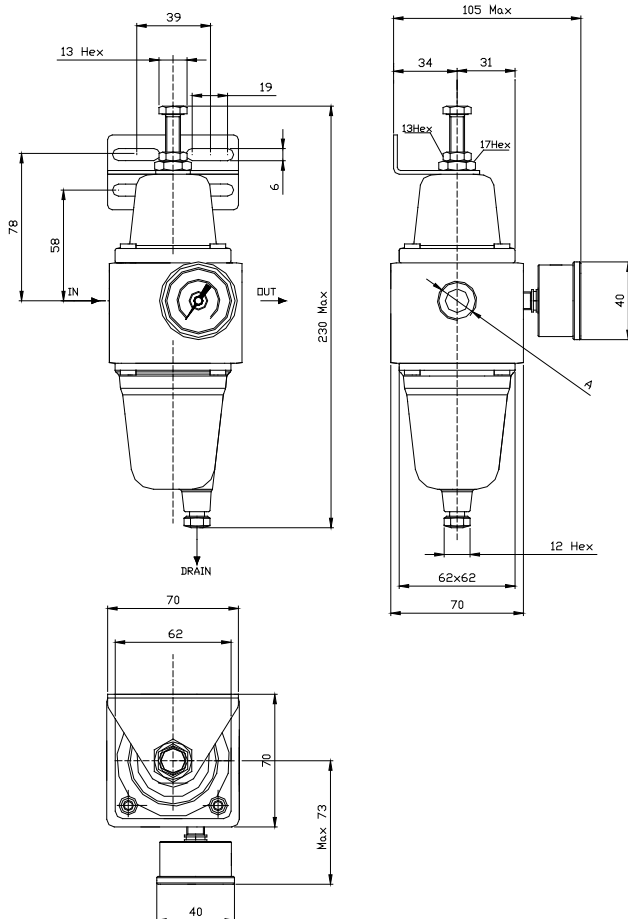
FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

Overall dimension

Dimensioni di ingombro

Manual drain

Scarico manuale

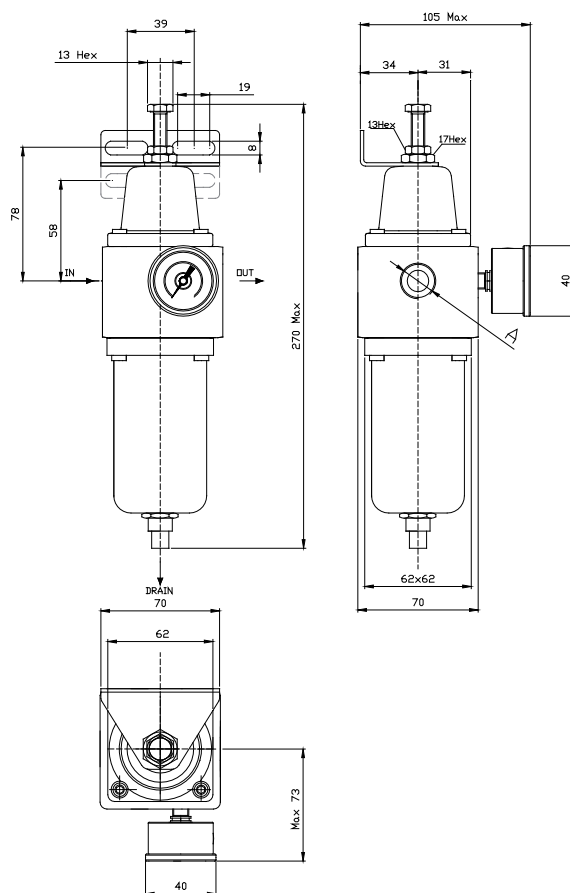


FR06 A = 3/8"

FR08 A = 1/2"

Automatic drain

Scarico automatico



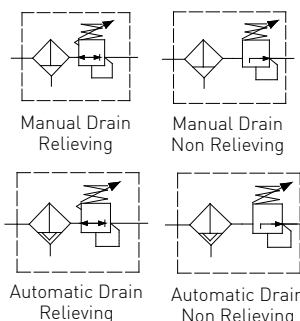
Max inlet pressure for automatic drain 16bar

Massima pressione di ingresso con scarico automatico 16bar

Aluminum alloy 3/4"-1"NPT Filter Regulator – FR serie

Filtro regolatore da 3/4" - 1"NPT in lega di alluminio – serie FR

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved
- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	3/4"-1" NPT
Gauge Connection Connessione manometro	1/4"NPT (1/8"NPT option)
Filtering element Elemento filtrante	stainless steel 25micron standard
Max inlet pressure / Pressione massima di ingresso	25bar
Drain valve/ Scarico condensa	Manual or automatic
Flow rate (@10bar inlet, 6bar regulated, delta P=1bar) / Portata	11500dm3/min Cv=11.5
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Regulated pressure Pressioni regolate	0/2, 0/4, 0/8, 0/10bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

*Special version available for -55°C up to 90°C

It provides excellent regulation and filtering for a wide range of applications. Rugged and corrosion-resistant – made of aluminum alloy and SS AISI304/316 / Permette un'accurata regolazione e filtraggio per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito lega di alluminio ed AISI316

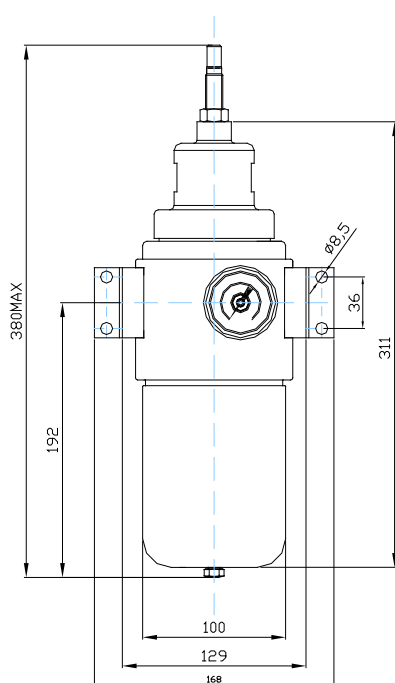
BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in tropicalized aluminum alloy, internals in stainless steel	Corpo, coperchio, tazza in lega di alluminio tropicalizzata, particolari interni in acciaio inossidabile
Adjustment screw, lock and panel nuts, fixing screws AISI316 stainless steel or galvanized steel	Vite di regolazione, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile od acciaio galvanizzato
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Filtering element in AISI316 stainless steel	Elemento filtrante in acciaio inossidabile AISI316
Valve spring, Adjustment spring AISI316 stainless steel	Molle valvola e di regolazione in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

Overall dimension

Dimensioni di ingombro

Manual drain

Scarico manuale

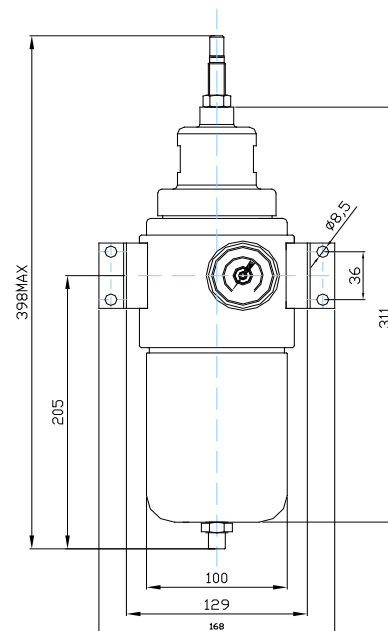


FR12 A = 3/4"

FR16 A = 1"

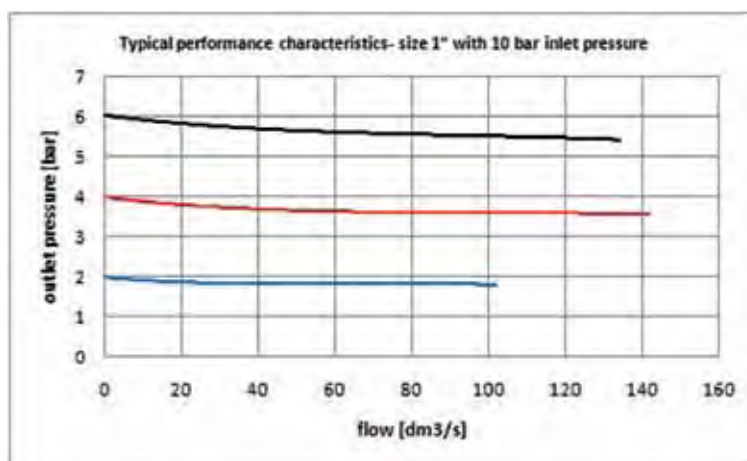
Automatic drain

Scarico automatico



Max inlet pressure for automatic drain 16bar

Massima pressione di ingresso con scarico automatico 16bar



Accessories and repair kit

Accessori e ricambi



Maintenance kit / Kit manutenzione	Items FR-16-K-XAL-** [3/4"; 1"]
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, cassa inox, scala Bar+psi+kpa	0-2bar MBSNP4S2PN3S 0-4bar MBSNP4S2PN05 0-10bar MBSNP4S2PN07
Bracket and screws / Staffa e Viti	SQ-FR16

** Refers to seals type:

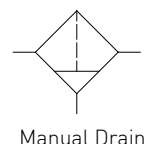
FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

AISI316L 1/4" NPT Tee Filter – TF serie

Filtro a T da 1/4"NPT in AISI316L – serie TF

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- High flow capacity
- High pressure design to 70bar
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Elevate portate
- Progettazione per alta pressione 70bar
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Conessioni	1/4" NPT
Filtering element Elemento filtrante	5micron in SS316
Max inlet pressure Pressione massima di ingresso	70bar
Orefice / Orifizio	DN6.5mm
Working Temperature Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version available for -55°C up to 90°C**

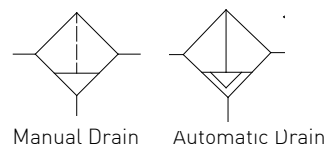
It provides excellent filtration for a wide range of applications. Rugged and corrosion-resistant – made of barstock AISI316L Compact small package size – light weight Panel mounting with stainless steel bracket.



Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in AISI316L da barra Dimensioni di ingombro ridotte – Leggero Montaggio a pannello con staffa inox.

BUILDING MATERIALS	Materiali costruttivi
Body, cup & end adaptors in Stainless steel AISI316L to NACE MR0175	Corpo, tazza e flangette laterali in acciaio inossidabile AISI316L secondo NACE MR0175
Bracket, lock and panel nuts, fixing screws in 316 stainless steel	Staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile AISI316
Seals & gaskets in elastomer and vergin PTFE	Tenute e guarnizioni in elastomero e PTFE vergine
5micron filtering element in AISI316 sinterized stainless steel	Elemento filtrante da 5micron in acciaio inossidabile sinterizzato AISI316

AISI316L 1/4" - 3/8" - 1/2" NPT Filter – F serie

Filtro da 1/4" - 3/8" - 1/2" NPT in AISI316L – serie F



- Suitable to automation equipment, to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- High flow capacity
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari.
- Completa rintracciabilità dei materiali
- Elevate portate
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1/4"-3/8"-1/2" NPT
Gauge Connection Connessione manometro	1/8" NPT (1/4" NPT option)
Filtering element Elemento filtrante	Coalescing or SS316 5, 25, 40 micron
Max inlet pressure Pressione massima di ingresso	30bar
Drain valve / Scarico condensa	manual or automatic
Flow Rate (Ø6 bar Inlet pressure, delta P=0.5bar) / Portata	1/4" - 1000dm³/min Cv=1,4 1/2" - 4815dm³/min Cv=6,6
Working Temperature Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version available for -55°C up to 90°C**

It provides excellent filtration for a wide range of applications. Rugged and corrosion resistant - made of 316/316L stainless steel.

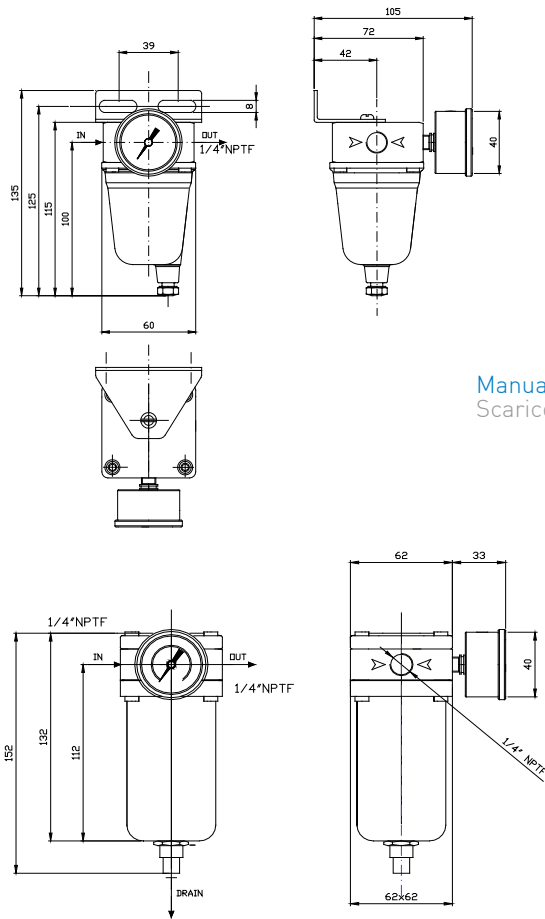
Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione - costruito in AISI316/316L.

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl in Stainless steel AISI316L to NACE MR0175	Corpo, coperchio, tazza in acciaio inossidabile AISI316L secondo NACE MR0175
Bracket, lock and panel nuts, fixing screws in 316 stainless steel	Staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile AISI316
Seals & gaskets in elastomer	Tenute e guarnizioni in elastomero
5, 25&40micron filtering element in AISI316 stainless steel	Elemento filtrante da 5, 25 e 40 micron in acciaio inossidabile AISI316
Coalescing filtering element in bonded micro-fibre	Elemento filtrante a coalescenza in microfibra

Overall dimension

Dimensioni di ingombro

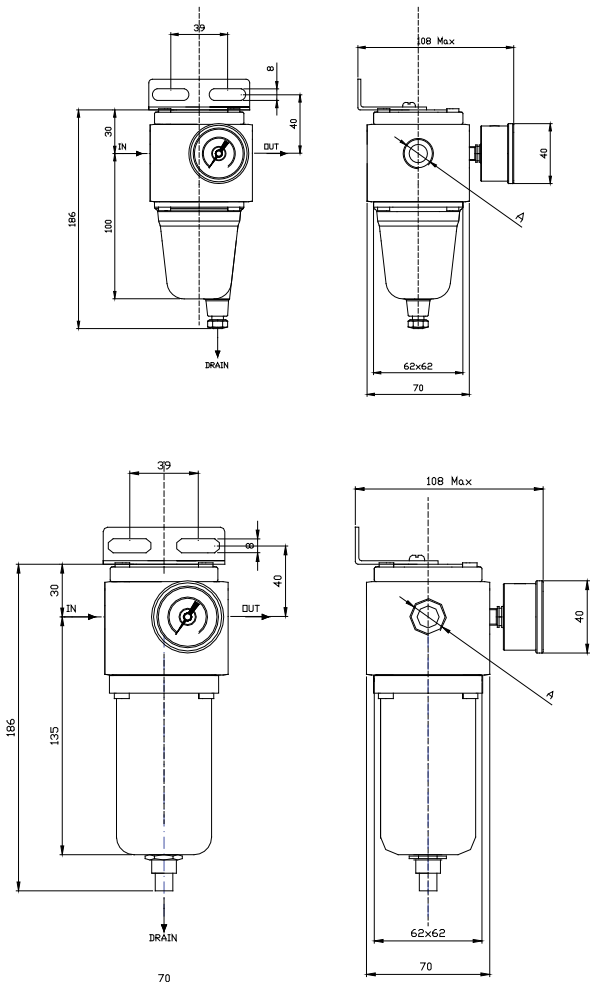
F04 serie



Manual drain
Scarico manuale

F04 A = 1/4"

F06, F08 serie



Automatic drain
Scarico automatico

F06 A = 3/8"

F08 A = 1/2"

Max inlet pressure for automatic drain 16bar

Massima pressione di ingresso con scarico automatico 16bar

Accessories and repair kit

Accessori e ricambi



Maintenance kit / Kit manutenzione	Items F -04-K-XSS-** [1/4"] F -08-K-XSS-** [1/8"]
Pressure gauge DN40mm, all SS Bar+psi+kpa range / Manometro DN40mm, tutto inox, scala Bar+psi+kpa	0-2bar MBSSP4S2PN3S 0-4bar MBSSP4S2PN05 0-10bar MBSSP4S2PN07
Bracket and lock nut / Staffa e Dado	SQ-FR04/S



** Refers to seals type:

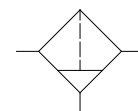
FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

AISI316L 3/4"-1"NPT Filter – F serie

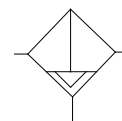
Filtro da 3/4" - 1"NPT in AISI316L – serie F

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 



Manual Drain



Automatic Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Conessioni	3/4"-1" NPT
Gauge Connection Connessione manometro	1/4"NPT (1/8"NPT option)
Filtering element Elemento filtrante	stainless steel 25micron standard
Max inlet pressure / Pressione massima di ingresso	30bar
Drain valve/ Scarico condensa	Manual or automatic
Flow Rate (@6 bar Inlet pressure, delta P=0.35bar)/ Portata	3/4" - 7500dm3/min Cv=12,2 1" - 10000dm3/min Cv=16,3
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

*Special version available for -55°C up to 90°C

It provides excellent filtering for a wide range of applications. Rugged and corrosion-resistant – made of 316L stainless steel / Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in acciaio inossidabile 316L

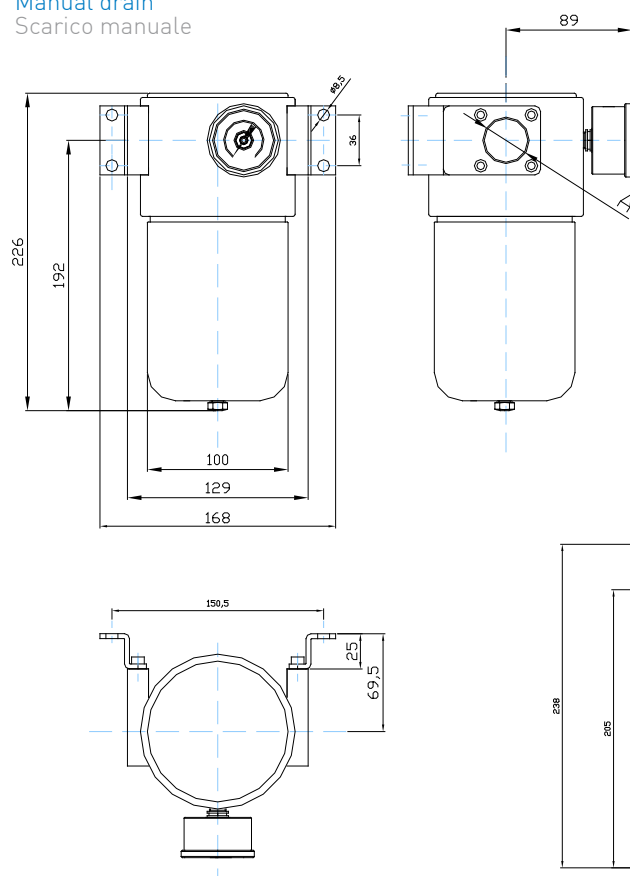
BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl and internals in stainless steel AISI316 L top NACE MR 0175	Corpo, coperchio, tazza ed interni in acciaio inossidabile AISI316L conforme ai requisiti dello standard NACE MR0175
Lock and panel nuts, fixing screws AISI316 stainless steel or galvanized steel	Dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile od acciaio galvanizzato
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Filtering element in AISI316 stainless steel	Elemento filtrante in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

Overall dimension

Dimensioni di ingombro

Manual drain

Scarico manuale

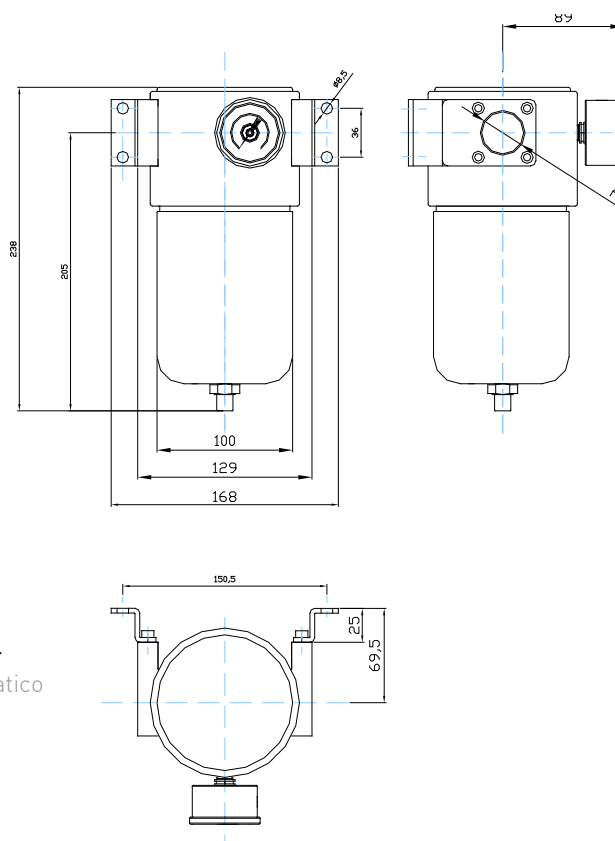


F12 A = 3/4"

F16 A = 1"

Automatic drain

Scarico automatico



Max inlet pressure for automatic drain 16bar

Massima pressione di ingresso con scarico automatico 16bar

Accessories and repair kit

Accessori e ricambi




Maintenance kit / Kit manutenzione	Items F-16-K-XSS-** [3/4"; 1"]
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, tutto inox, scala Bar+psi+kpa	0-2bar MBS6P4S2PN3S 0-4bar MBS6P4S2PN05 0-10bar MBS6P4S2PN07
Bracket and screws / Staffa e Viti	R-16-STSS

** Refers to seals type:

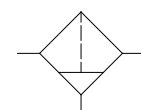
FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

AISI316L 1 1/2"-2"NPT Filter – F serie

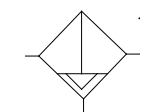
Filtro da 1 1/2" - 2"NPT in AISI316L – serie F

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE  II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 



Manual Drain



Automatic Drain

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Conessioni	1 1/2"-2" NPT
Gauge Connection Connessione manometro	1/4"NPT (1/8"NPT option)
Filtering element Elemento filtrante	stainless steel 25micron standard
Max inlet pressure / Pressione massima di ingresso	25bar
Drain valve/ Scarico condensa	Manual or automatic
Flow Rate (@6 bar Inlet pressure, delta P=0.35bar)/ Portata	1 1/2" - 21000dm3/min Cv=34,5 2" - 29000dm3/min Cv=46,5
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

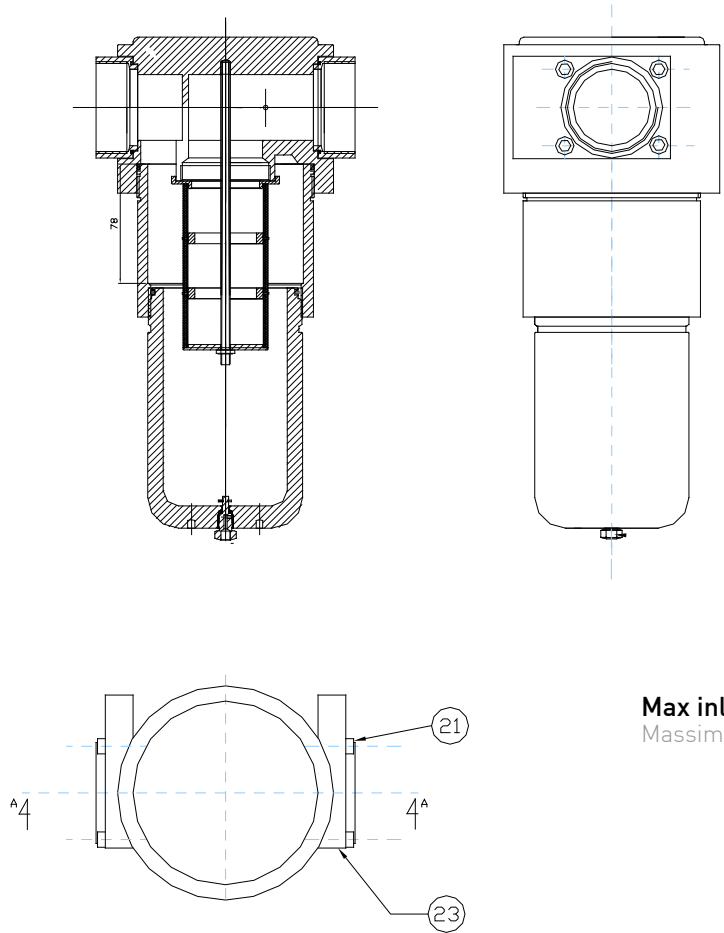
*Special version available for -55°C up to 90°C

It provides excellent filtering for a wide range of applications. Rugged and corrosion-resistant – made of 316L stainless steel / Permette una filtrazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in acciaio inossidabile 316L

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl and internals in stainless steel AISI316 L top NACE MR 0175	Corpo, coperchio, tazza ed interni in acciaio inossidabile AISI316L conforme ai requisiti dello standard NACE MR0175
Lock and panel nuts, fixing screws AISI316 stainless steel or galvanized steel	Dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile od acciaio galvanizzato
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Filtering element in AISI316 stainless steel	Elemento filtrante in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

Overall dimension
Dimensioni di ingombro

F24, F32 serie



F24 A = 1 1/2"

F32 A = 2"

Max inlet pressure for automatic drain 16bar
Massima pressione di ingresso con scarico automatico 16bar



Accessories and repair kit
Accessori e ricambi

Maintenance kit / Kit manutenzione	Items F-32-K-XSS-** [1 1/2"; 2"]
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, tutto inox, scala Bar+psi+kpa	0-2bar MBSSP4S2PN3S 0-4bar MBSSP4S2PN05 0-10bar MBSSP4S2PN07

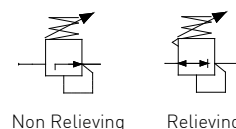
** Refers to seals type:
FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

AISI316L 1/4"NPT Pressure Regulator – R serie

Regolatore di pressione da 1/4"NPT in AISI316L – serie R

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1/4"NPT
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Max inlet pressure / Pressione massima di ingresso	30bar
Relieving/ Scarico sovrappressioni	Standard
Flow Rate (@10 bar inlet, 6bar regulated, delta P=1bar)/ Portata	940dm³/min Cv=0.9
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Regulated pressure Pressioni regolate	0/2, 0/4, 0/8, 0/10bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version available for -55°C up to 90°C**

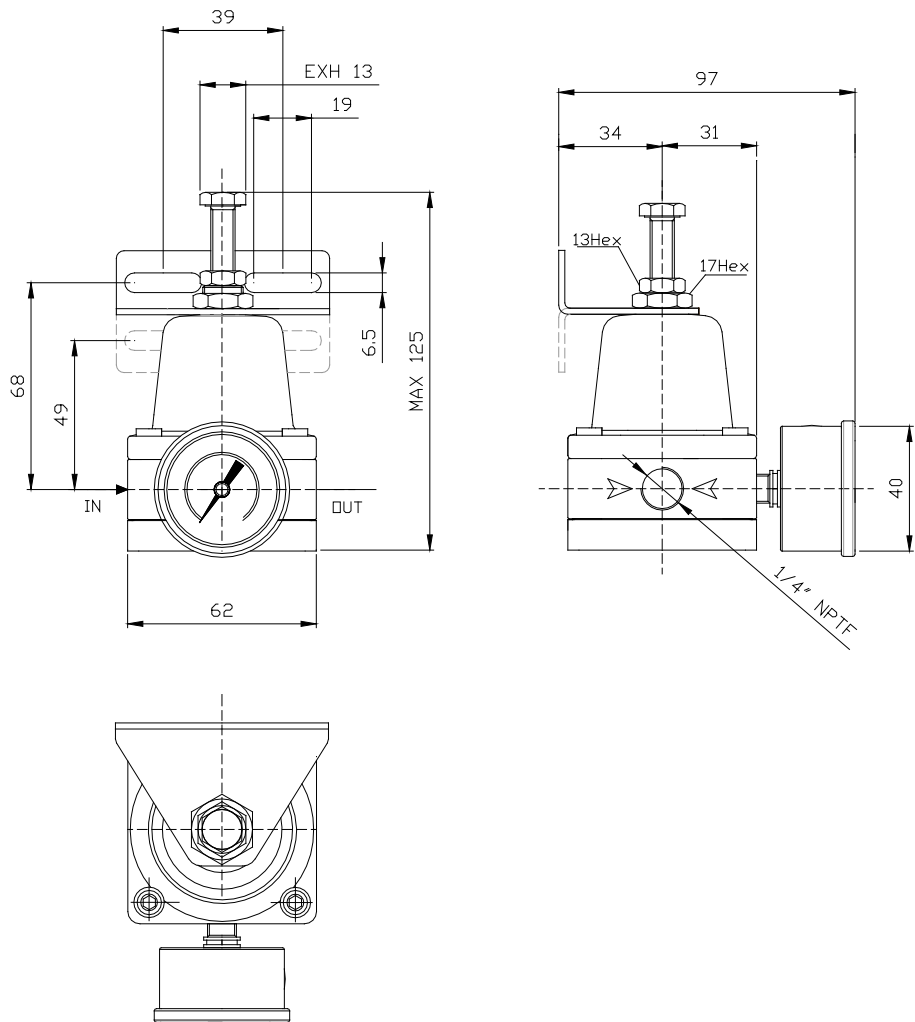
It provides excellent regulation for a wide range of applications. Rugged and corrosion resistant - made of 316/316L stainless steel.

Permette una regolazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione - costruito in AISI316/316L.

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, end plate and internals in 316/316L stainless steel to NACE MR0175	Corpo, coperchio, piastra inferiore e particolari interni in AISI316/316L conforme allo standard NACE MR0175
Bracket, lock and panel nuts, fixing screws in AISI316 stainless steel	Staffa, vite di regolazione, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile AISI316
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Valve spring, adjustment spring in AISI316 stainless steel	Molla valvola e di regolazione in acciaio inossidabile AISI316
Elastomeric seals	Guarnizioni elastomeriche

Overall dimension

Dimensioni di ingombro



R04 A = 1/4"

Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	R-04-K-XSS-** [1/4"]
Pressure gauge DN40mm, all inox, Bar+psi+kpa range / Manometro DN40mm, tutto inox, scala Bar+psi+kpa	0-2bar MBSSP4S2PN3S 0-4bar MBSSP4S2PN05 0-10bar MBSSP4S2PN07
Bracket and lock nut / Staffa e Dado	SQ-FR04

** Refers to seals type:
FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

AISI316 3/8"-1/2"NPT Pressure Regulator – R serie




Regolatore di pressione da 3/8" e 1/2"NPT in AISI316 – serie R




Non Relieving



Relieving

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE  II 2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari.
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE  GD c IICT6 X
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	3/8"-1/2"NPT
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Max inlet pressure / Pressione massima di ingresso	30bar
Relieving/ Scarico sovrappressioni	Standard
Flow Rate (@10 bar inlet, 6bar regulated, delta P=1bar)/ Portata	4500dm ³ /min Cv=4.5
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Regulated pressure Pressioni regolate	0/2, 0/4, 0/8, 0/10bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version available for -55°C up to 90°C**

It provides excellent regulation for a wide range of applications. Rugged and corrosion resistant - made of 316/316L stainless steel.

Permette una regolazione accurata per una vasta gamma di applicazioni. Robusto e resistente alla corrosione - costruito in AISI316/316L.

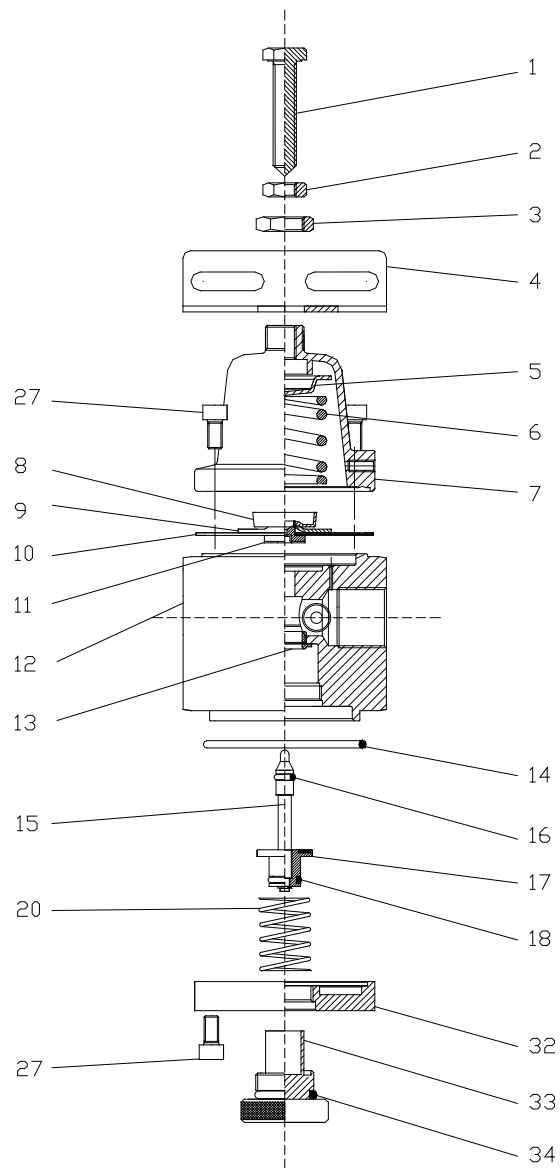
BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, end plate and internals in 316/316L stainless steel to NACE MR0175	Corpo, coperchio, piastra inferiore e particolari interni in AISI316/316L conforme allo standard NACE MR0175
Adjustment screw, bracket, lock and panel nuts, fixing screws in AISI316 stainless steel	Vite di regolazione, staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile AISI316
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Valve spring, adjustment spring in AISI316 stainless steel	Molle valvola e di regolazione in acciaio inossidabile AISI316
Elastomeric seals	Guarnizioni elastomeriche

Item description

Descrizione item

Pos. Description - Descrizione

1. Adjusting screw / Vite di regolazione
2. Lock nut / Dado bloccaggio vite
3. Panel nut / Dado staffa
4. Bracket / Staffa
5. Upper spring rest / Sede superiore molla
6. Spring / Molla di regolazione
7. Bonnet / Coperchio
8. Lower spring guide / Guida molla inferiore
9. Lower spring rest / Sede inferiore molla
10. Diaphragm / Diaframma
11. Valve seat / Sede valvola
12. Body / Corpo
13. Valve seat / Sede valvola
14. O'ring (Bowl) / O'ring tazza
15. Valve stem / Stelo valvola
16. O'ring (valve stem) / O'ring stelo valvola
17. Valve / Corpo valvola
18. O'ring (valve body) / O'ring corpo valvola
20. Spring valve / Molla valvola
- 27 Bowl screw (M5x8) / Piastra inferiore
- 32 End plate / Piastra inferiore
- 33 Valve seat / Sede valvola
- 34 Valve seat O'ring / O'ring sede inferiore valvola



Accessories and repair kit

Accessori e ricambi

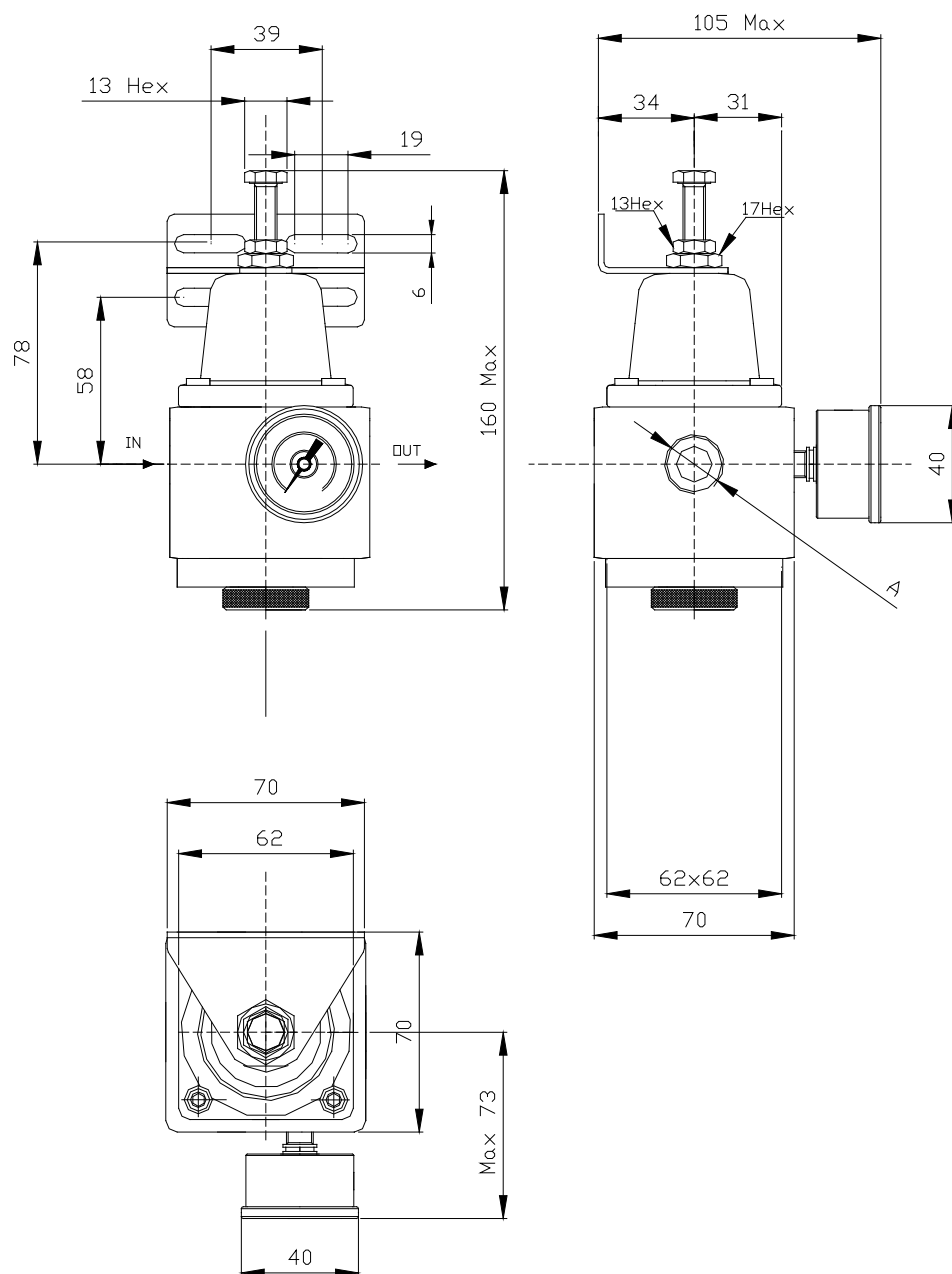
Maintenance kit / Kit manutenzione	Items R-06-K-XSS-** [3/8"-1/2"]
Pressure gauge DN40mm, all SS, Bar+psi+kpa range / Manometro DN40mm, tutto inox, scala Bar+psi+kpa	0-2bar MBSSP4S2PN3S 0-4bar MBSSP4S2PN05 0-10bar MBSSP4S2PN07
Bracket and lock nut / Staffa e Dado	SQ-FR04

** Refers to seals type:

FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

Overall dimension

Dimensioni di ingombro





R06 A = 3/8"

R08 A = 1/2"

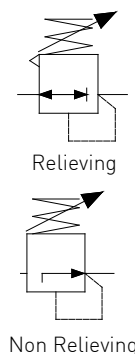
BT-R8SS/C11C

AISI316L 3/4"-1"NPT Pressure Regulator – R serie

Regolatore di pressione da 3/4"- 1"NPT in AISI316L- serie R

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	3/4"-1" NPT
Gauge Connection Connessione manometro	1/4"NPT (1/8"NPT option)
Max inlet pressure / Pressione massima di ingresso	30bar
Relieving/ Scarico sovrappressioni	Standard
Flow rate (@10bar inlet, 6bar regulated, delta P=1bar) / Portata	11500dm ³ /min Cv=11.5
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Regulated pressure Pressioni regolate	0/2, 0/4, 0/8, 0/10bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

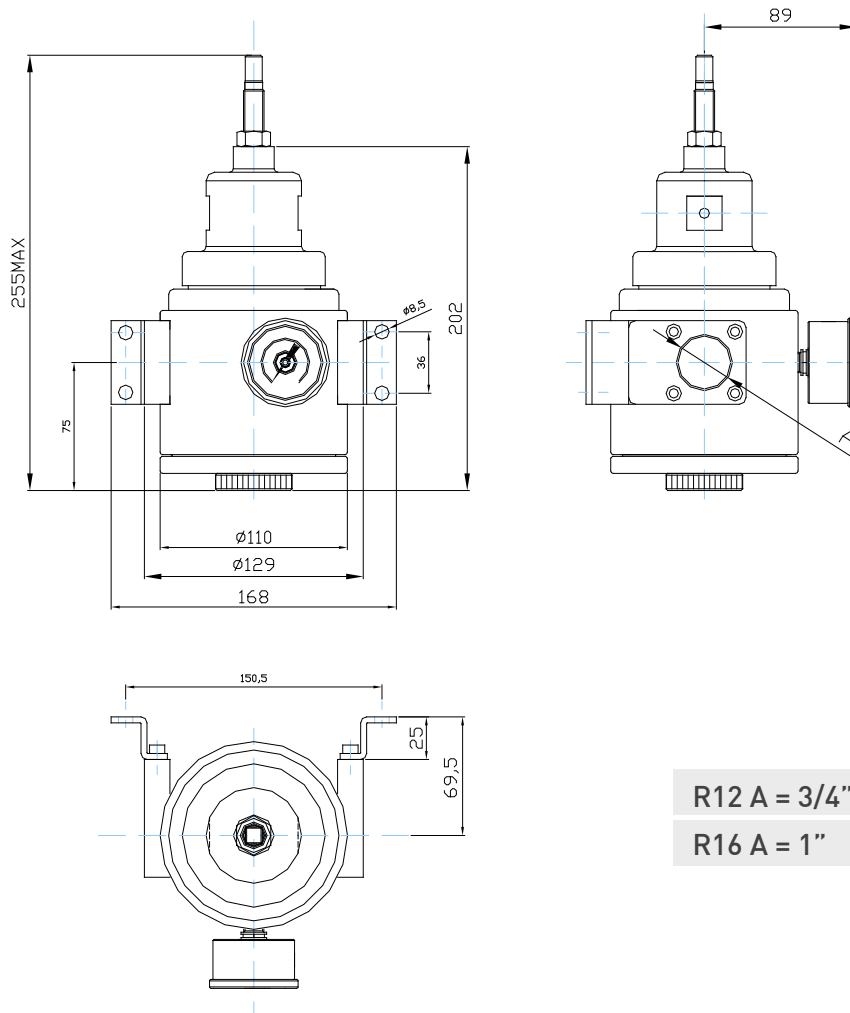
*Special version available for -55°C up to 90°C

It provides excellent regulation and for a wide range of applications. Rugged and corrosion-resistant – made of 316L stainless steel / Permette un'accurata regolazione per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in acciaio inossidabile 316L

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, end plate and internals in 316/316L stainless steel to NACE MR0175	Corpo, coperchio, piastra inferiore e particolari interni in AISI316/316L conforme allo standard NACE MR0175
Adjustment screw, lock and panel nuts, fixing screws AISI316 stainless steel or galvanized steel	Vite di regolazione, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile od acciaio galvanizzato
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Valve spring & adjustment spring AISI316 stainless steel	Molle valvola e di regolazione in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

Overall dimension

Dimensioni di ingombro



R12 A = 3/4"

R16 A = 1"

Accessories and repair kit

Accessori e ricambi







Maintenance kit / Kit manutenzione	Items
Pressure gauge DN40mm, SS case, Bar+psi+kpa range / Manometro DN40mm, tutto inox, scala Bar+psi+kpa	R-16-K-XSS-** [3/4"; 1"] 0-2bar MBS6P4S2PN3S 0-4bar MBS6P4S2PN05 0-10bar MBS6P4S2PN07
Bracket and screws / Staffa e Viti	SQ-FR16

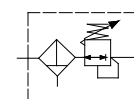
** Refers to seals type:

FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

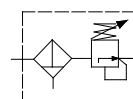
AISI316 1/4"NPT Instrument Filter Regulator – FR serie

Filtro Regolatore da 1/4"NPT in AISI316 – serie FR

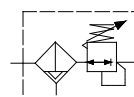
- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE  II2GD c IICT6 X
-  &  approved
- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 



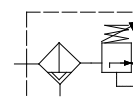
Manual Drain Relieving



Manual Drain Non Relieving



Automatic Drain Relieving



Automatic Drain Non Relieving

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1/4"NPT
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Filtering element Elemento filtrante	5micron in SS316 std (25 & 40micron available)
Max inlet pressure Pressione massima di ingresso	30bar
Drain valve / Scarico condensa	Manual or automatic
Flow Rate (@10bar inlet, 6bar regulated, delta P=1bar)/ Portata	940dm3/min Cv=0.9
Working Temperature Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Regulated pressure Pressioni regolate	0/2, 0/4, 0/8, 0/10bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

*Special version available for -55°C up to 90°C

It provides excellent regulation and filtering for a wide range of applications. Rugged and corrosion-resistant – made of 316/316L stainless steel -Compact small package size – light weight

Permette un'accurata regolazione e filtraggio per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito AISI316/316L - Dimensioni di ingombro ridotte – Leggero

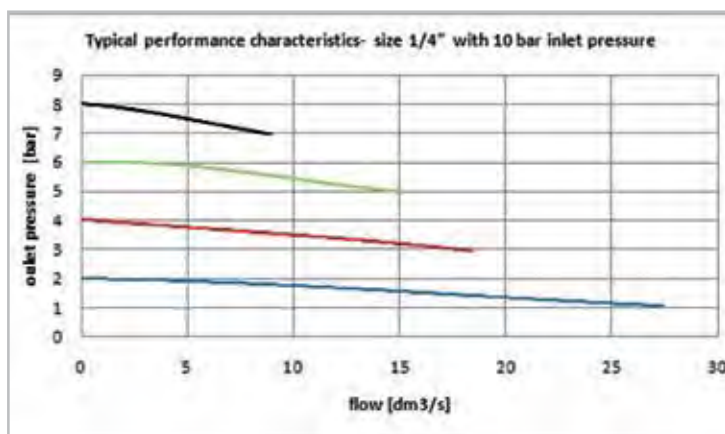
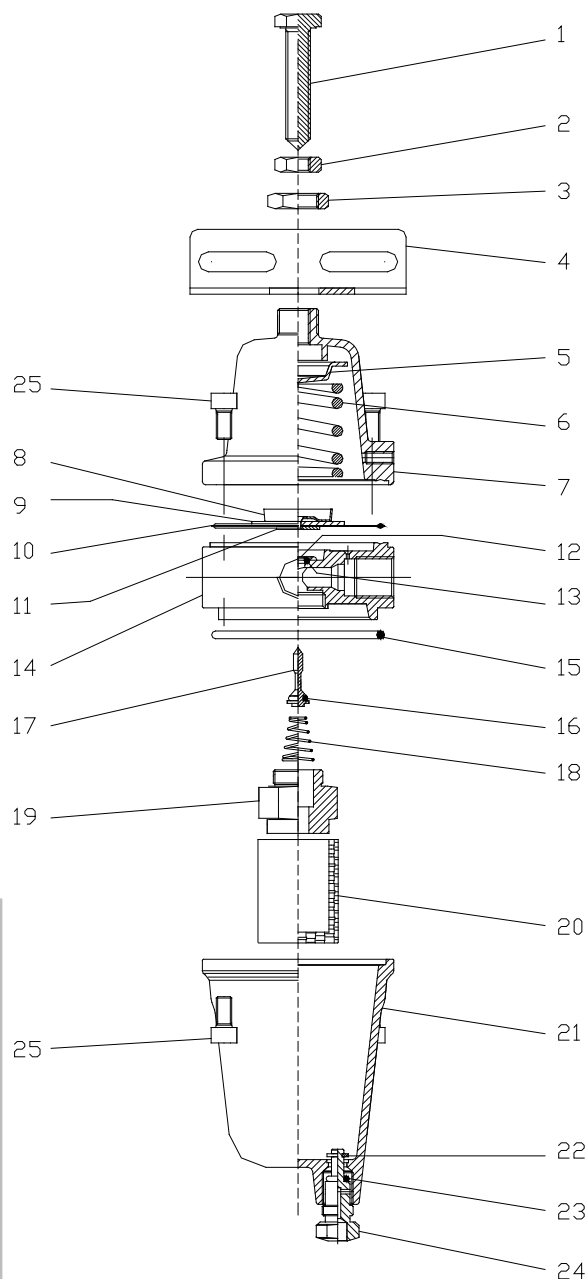
BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl and internals in 316/316L stainless steel to NACE MR0175	Corpo, coperchio, tazza e particolari interni in AISI316/316L conforme ai requisiti dello standard NACE MR0175
Bracket, lock and panel nuts, fixing screws in AISI316 stainless steel	Vite di regolazione, staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile AISI316
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
5, 25&40micron filtering element in sinterized AISI316 ss; Coalescing filtering element in bonded micro-fibre	Elementi filtranti da 5, 25 e 40micron in AISI316 sinterizzato; elemento filtrante a coalescenza in micro-fibra
Valve spring, adjustment spring in AISI316 stainless steel	Molle valvola e di regolazione in acciaio inossidabile AISI316
Elastomeric seals	Guarnizioni elastomeriche

Item description

Descrizione item

Pos. Description - Descrizione

1. Adjusting screw / Vite di regolazione
2. Lock nut / Dado bloccaggio vite
3. Panel nut / Dado staffa
4. Bracket / Staffa
5. Upper spring rest / Sede superiore molla
6. Spring / Molla di regolazione
7. Bonnet / Coperchio
8. Lower spring guide / Guida molla inferiore
9. Lower spring rest / Sede inferiore molla
10. Diaphragm / Diaframma
11. Valve seat / Sede valvola
12. Ring / Arresto
13. O'ring valve steam / O'ring guida valvola
14. Body Corpo
15. O'ring (bowl) / O'ring tazza
16. O'ring (valve) / O'ring valvola
17. Valve / Corpo valvola
18. Spring valve / Molla valvola
19. Filter element support / Supporto elemento filtrante
20. Element / Elemento filtrante
21. Bowl / Tazza
22. Ring / Anello benzin
23. O'ring (drain) / O'ring rubinetto
24. Manual drain / Rubinetto di scarico
25. Screw (M5x8) Vite di fissaggio M5x8



Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	Items FR-04-K-XSS-** [1/4"]
Pressure gauge DN40mm, all SS, Bar+psi+kpa range / Manometro DN40mm, tutto inox, scala Bar+psi+kpa	0-2bar MBSSP4S2PN3S 0-4bar MBSSP4S2PN05 0-10bar MBSSP4S2PN07
Bracket and lock nut / Staffa e Dado	SQ-FR04

** Refers to seals type:

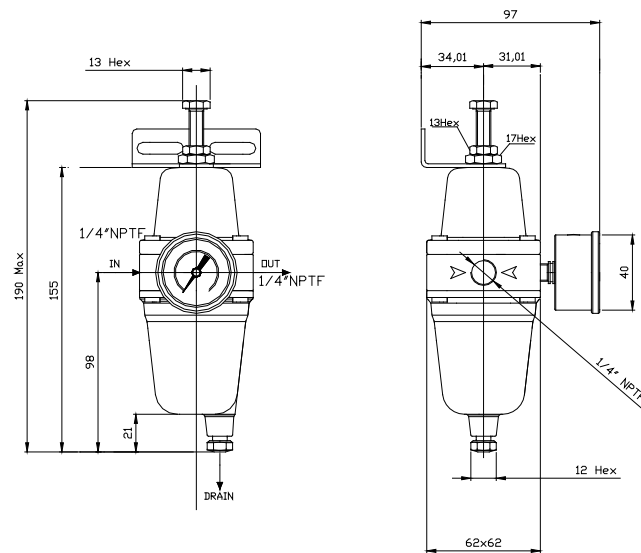
FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

Overall dimension

Dimensioni di ingombro

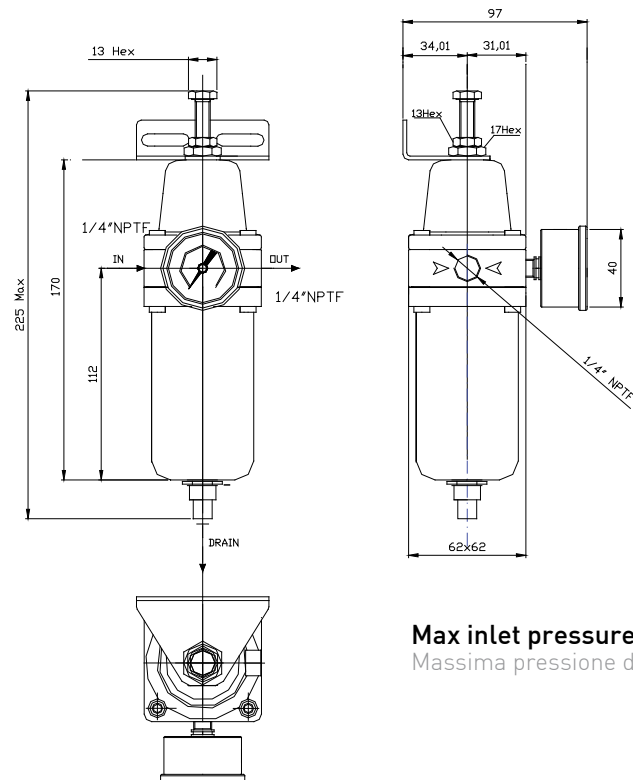
Manual drain

Scarico manuale



Automatic drain

Scarico automatico





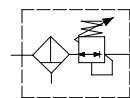
Max inlet pressure for automatic drain 16bar

Massima pressione di ingresso con scarico automatico 16bar

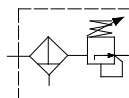
AISI316 3/8"-1/2"NPT Instrument Filter Regulator – FR serie

Filtro Regolatore da 3/8" e 1/2"NPT in AISI316 – serie FR

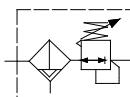
- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE  II2GD c IICT6 X
-  &  approved
- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 



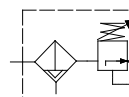
Manual Drain
Relieving



Manual Drain
Non Relieving



Automatic Drain
Relieving



Automatic Drain
Non Relieving

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Conessioni	3/8"-1/2"NPT
Gauge Connection Connessione manometro	1/8"NPT (1/4"NPT option)
Filtering element Elemento filtrante	5, 25,40 micron in SS316 std
Max inlet pressure / Pressione massima di ingresso	30bar
Drain valve/ Scarico condensa	Manual or automatic
Flow rate (@10bar inlet, 6bar regulated, delta P=1bar) / Portata	4500dm3/min Cv=4.5
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Regulated pressure Pressioni regolate	0/2, 0/4, 0/8, 0/10bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version available for -55°C up to 90°C**

It provides excellent regulation and filtering for a wide range of applications. Rugged and corrosion-resistant – made of 316/316L stainless steel -Compact small package size – light weight / Permette un'accurata regolazione e filtraggio per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito AISI316/316L - Dimensioni di ingombro ridotte – Leggero

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl and internals in stainless steel AISI316L to NACE MR01-75	Corpo, coperchio, tazza e particolari interni in AISI316L conforme allo std NACE MR01-75
Bracket, lock and panel nuts, fixing screws in AISI316 stainless steel	Vite di regolazione, staffa, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile AISI316
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
5, 25&40micron filtering element in sinterized AISI316 ss; Coalescing filtering element in bonded micro-fibre	Elementi filtranti da 5, 25 e 40micron in AISI316 sinterizzato; elemento filtrante a coalescenza in micro-fibra
Valve spring, adjustment spring in AISI316SS	Molle valvola e di regolazione in AISI316
Elastomeric seals	Guarnizioni elastomeriche

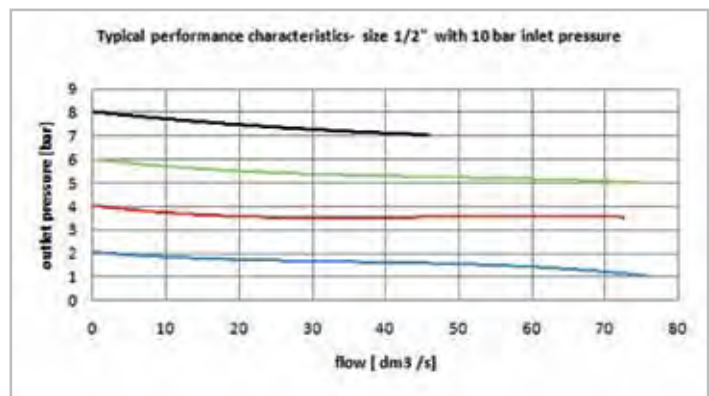
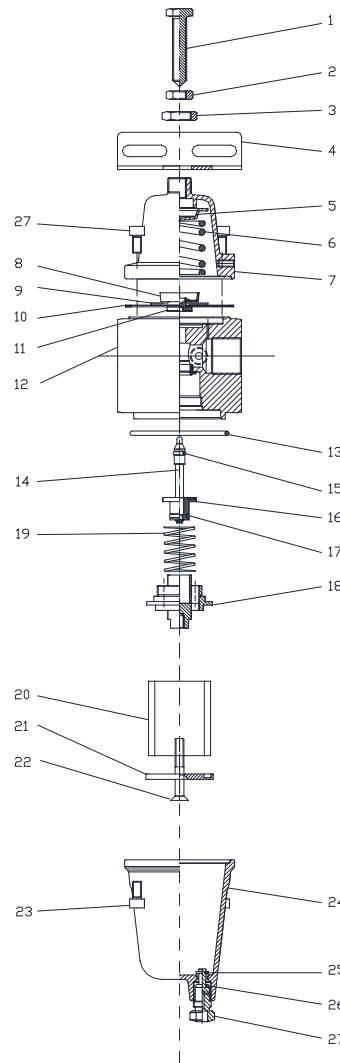
BT-FR8SS/C15A

Item description

Descrizione item

Pos. Description - Descrizione

1. Adjusting screw / Vite di regolazione
2. Lock nut / Dado bloccaggio vite
3. Panel nut / Dado staffa
4. Bracket / Staffa
5. Upper spring rest / Sede superiore molla
6. Spring / Molla di regolazione
7. Bonnet / Coperchio
8. Lower spring guide / Guida molla inferiore
9. Lower spring rest / Sede inferiore molla
10. Diaphragm / Diaframma
11. Valve seat / Sede valvola
12. Body / Corpo
13. O'ring (Bowl) / O'ring tazza
14. Valve stem / Stelo valvola
15. O'ring (valve stem) / O'ring stelo valvola
16. Valve Corpo valvola
17. O'ring (valve body) O'ring corpo valvola
18. Filter element support / Supporto elemento filtrante
19. Spring valve / Molla valvola
20. SS316 Filtering element / Elemento filtrante in SS316
21. SS Filtering Element plug / Fondello elemento filtrante SS
22. SS Filtering element screw / Vite elemento filtrante
23. Bowl screw (M5x8) / Vite di fissaggio tazza M5x8
24. Bowl / Tazza
25. Ring / Anello benzin
26. O'ring (drain) / O'ring rubinetto
27. Manual drain / Rubinetto di scarico



Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	Items FR-06-K-XSS-** [3/8"-1/2"]
Pressure gauge DN40mm, all inox, Bar+psi+kpa range / Manometro DN40mm, tutto inox, scala Bar+psi+kpa	0-2bar MBSSP4S2PN3S 0-4bar MBSSP4S2PN05 0-10bar MBSSP4S2PN07
Bracket and lock nut / Staffa e Dado	SQ-FR04

** Refers to seals type:

FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

Overall dimension

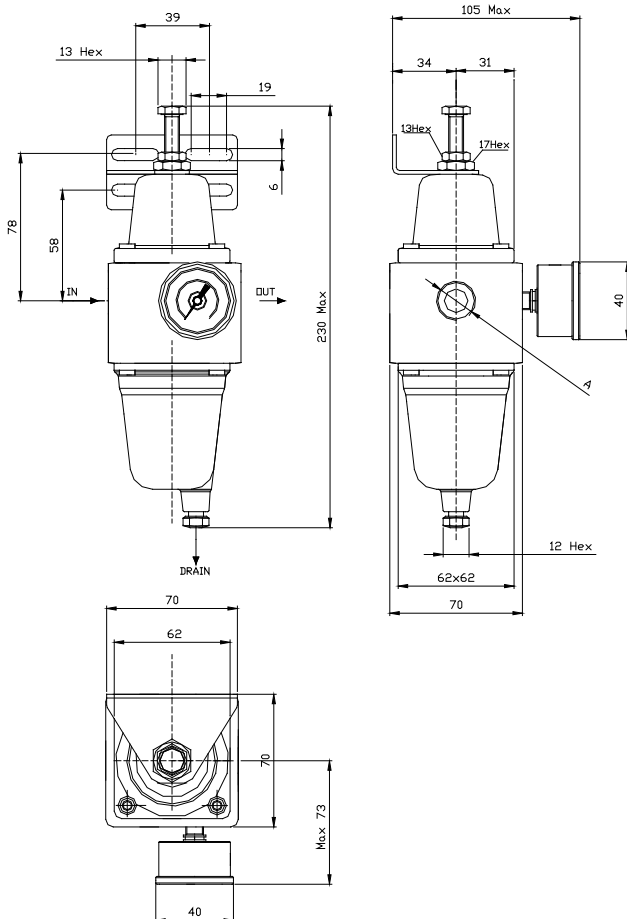
Dimensioni di ingombro

Manual drain

Scarico manuale

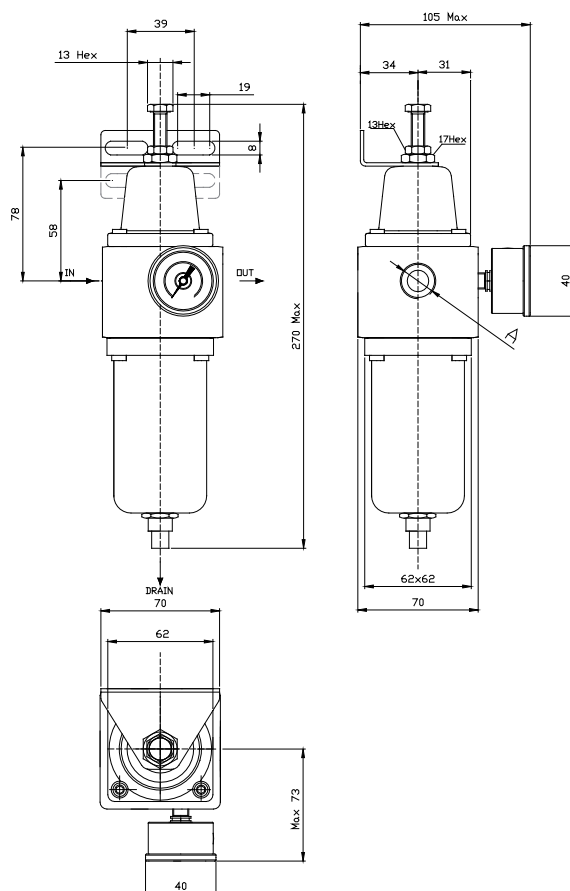
FR06 A = 3/8"

FR08 A = 1/2"



Automatic drain

Scarico automatico








Max inlet pressure for automatic drain 16bar

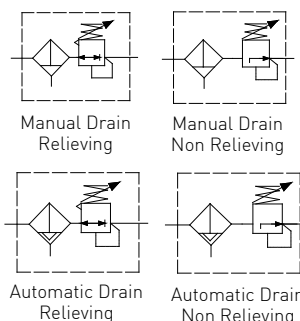
Massima pressione di ingresso con scarico automatico 16bar

AISI316 3/4" - 1" Filter Regulator – FR serie

Filtro regolatore da 3/4" – 1" in AISI316 – serie FR

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- ATEX 94/9/CE  II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	3/4" - 1" NPT
Gauge Connection Connessione manometro	1/4" NPT (1/8" NPT option)
Filtering element Elemento filtrante	stainless steel 25micron standard
Max inlet pressure / Pressione massima di ingresso	30bar
Drain valve/ Scarico condensa	Manual or automatic
Flow rate (@10bar inlet, 6bar regulated, delta P=1bar)/ Portata	11500dm ³ /min Cv=11.5
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Regulated pressure Pressioni regolate	0/2, 0/4, 0/8, 0/10bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

*Special version available for -55°C up to 90°C

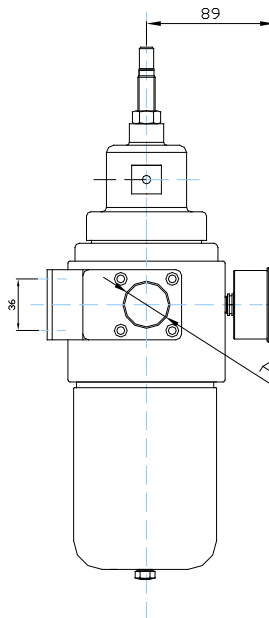
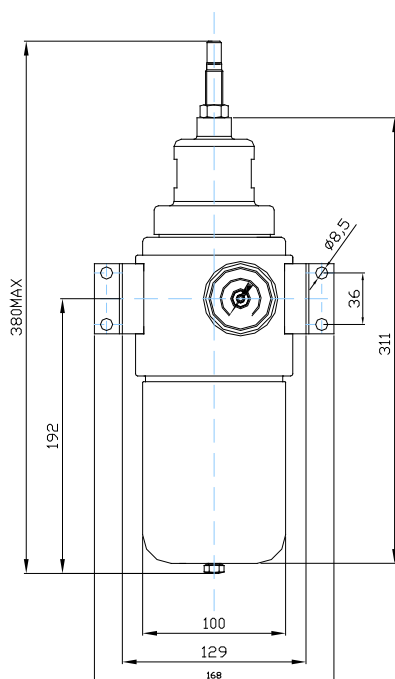
It provides excellent regulation and filtering for a wide range of applications. Rugged and corrosion-resistant – made of 316L stainless steel / Permette un'accurata regolazione e filtraggio per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – costruito in acciaio inossidabile 316

BUILDING MATERIALS	Materiali costruttivi
Body, bonnet, bowl and internals in stainless steel AISI316 L top NACE MR 0175	Corpo, coperchio, tazza ed interni in acciaio inossidabile AISI316L conforme ai requisiti dello standard NACE MR0175
Adjustment screw, lock and panel nuts, fixing screws AISI316 stainless steel	Vite di regolazione, dadi di bloccaggio e pannello, viti di fissaggio in acciaio inossidabile AISI316
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Filtering element in AISI316 stainless steel	Elemento filtrante in acciaio inossidabile AISI316
Valve spring, Adjustment spring in AISI316 stainless steel	Molle valvola e di regolazione in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

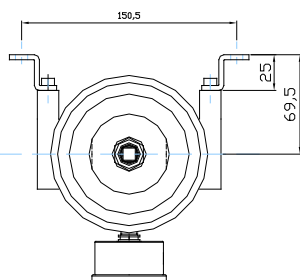
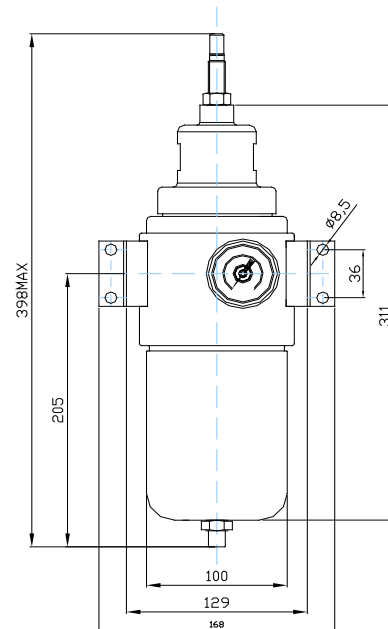
Overall dimension

Dimensioni di ingombro

Manual drain
Scarico manuale



Automatic drain
Scarico automatico

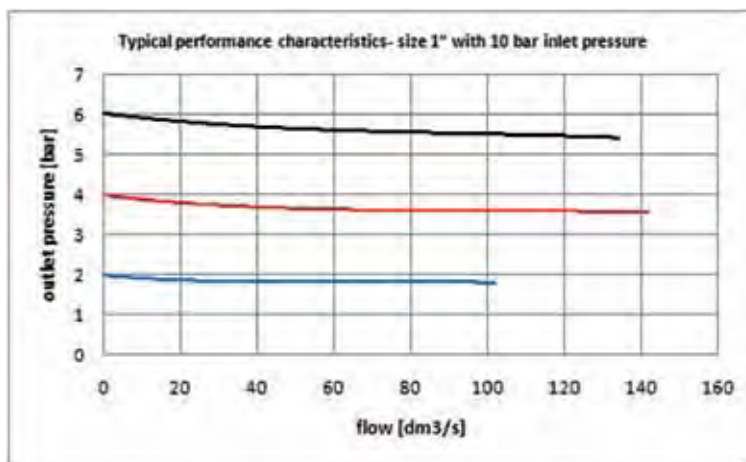


FR12 A = 3/4"

FR16 A = 1"

Max inlet pressure for automatic drain 16bar

Massima pressione di ingresso con scarico automatico 16bar



Accessories and repair kit

Accessori e ricambi




Maintenance kit / Kit manutenzione	FR-16-K-XSS-** [3/4"; 1"]
Pressure gauge DN40mm, all SS, Bar+psi+kpa range / Manometro DN40mm, tutto inox, scala Bar+psi+kpa	0-2bar MBSSP4S2PN3S 0-4bar MBSSP4S2PN05 0-10bar MBSSP4S2PN07
Bracket and lock nut / Staffa e Dado	R-16-STSS




** Refers to seals type:

FK→FKM NB→NBR LT→EPDM FL→Low temperature compound

AISI316L 1/4" Back Pressure Regulator - BP Series

Regolatore di contropressione da 1/4" in AISI316 Serie BP

- AISI 316L construction
- Excellent accuracy
- Gauge port option
- Different type of gaskets
- Low cost
- ATEX 94/9/CE  II2GD c IICT6 X
-  &  approved

- Materiale di costruzione AISI 316L
- Eccellente precisione
- Varianti connessioni manometro
- Differenti tipi di guarnizioni
- Basso costo
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 



The BP series is a general-purpose regulator designed to control back-pressure levels in process or analytical systems upstream of the regulator. Its feature make it ideal for many type of application.

La serie BP è un regolatore per applicazioni generiche progettato per controllare i valori di contropressione a valle del regolatore di pressione nei sistemi di processo o di analisi. Le sue caratteristiche lo rendono adatto a molteplici applicazioni

Technical Data

Caratteristiche Tecniche

Port thread / Connessioni	1/4 NPT
Gauge port / Connessioni	1/8 NPT
Body material / Materiali corpo Gasket material / Materiale tenute	AISI 316L EPDM
Maximum inlet pressure Pressione massima ingresso	Equal to pressure control range Uguale al campo di regolazione
Control range (psi) Campo di regolazione (bar)	3-30 3-60 5-120 60-500 0.2-2 0.2-4 0.4-8 4-35
Temperature range / Temperatura	-55°C +90°C

Option

Opzioni

Different gauge port
Conessioni manometro diverse

Panel mount
Montaggio pannello

Wall bracket
Staffa

Pressure gauge
Manometro

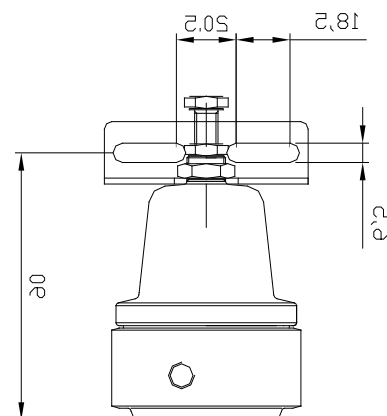
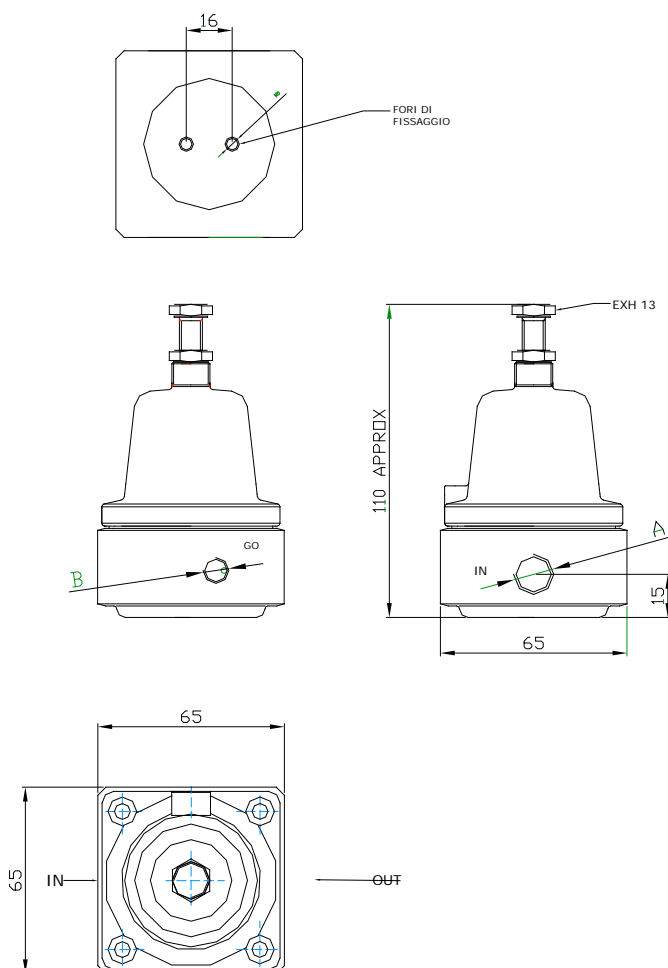
Special temperature range
Temperatura speciale

Dimension



Dimensioni

Wall bracket dimension

Dimensioni staffa



Valvola di commutazione ad azionamento pneumatico - SERIE SV e S3

- Materiale di costruzione AISI 316
- Eccellente precisione
- Facile e precisa regolazione
- Differenti campi di regolazione
- Valvola 2/2 di controllo on off
- Valvola di commutazione 3/2 NA
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 



La valvola di commutazione tipo SV è un dispositivo azionato e controllato pneumaticamente, costruito con un'ampia gamma di possibilità per controllare applicazioni di commutazione che coinvolgono il controllo on-off e le modalità guasto. Il funzionamento della valvola avviene quando il segnale pneumatico varia in funzione delle caratteristiche della molla utilizzata. La valvola di commutazione modello SV è utilizzata tipicamente come interruttore on-off normalmente chiuso. Il modello S3 consente il passaggio del flusso in tre connessioni. Con la possibilità di scegliere diverse molle per una risoluzione ottimale, il punto di commutazione è regolato per mezzo di una vite posta nella parte superiore del coperchio.

Caratteristiche Tecniche

Port thread / Conessioni	1/4 NPT
Signal port / Conessioni segnale	1/8" /1/4" NPT
Body material / Materiali corpo Plastic materials / Materiali plastici	AISI 316 NBR
Maximum inlet pressure (psi) Pressione massima ingresso (bar)	120 8
Maximum signal (psi) Segnale Massimo (bar)	100 7
Control range (psi) Campo di regolazione (bar)	3-30 3-60 5-120 0.2-2 0.2-4 0.4-8
Temperature range / Temperatura	-20°C +80°C

Option

Opzioni

Different control range
Differenti campi di controllo

Panel mount
Montaggio pannello

Wall bracket
Staffa

Pressure gauge
Manometro

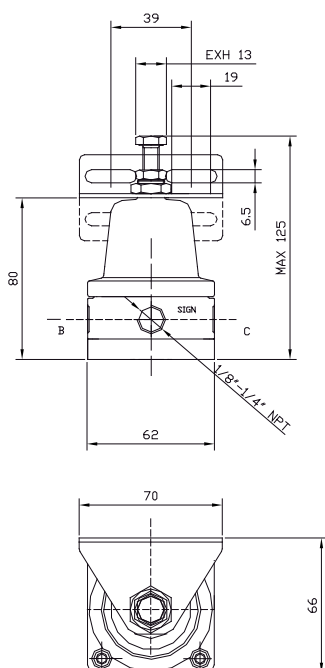
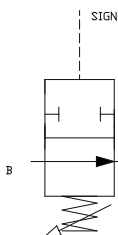
Temperature range
Campi di Temperatura

Valve and wall bracket dimension

Dimensioni valvola e staffa di fissaggio

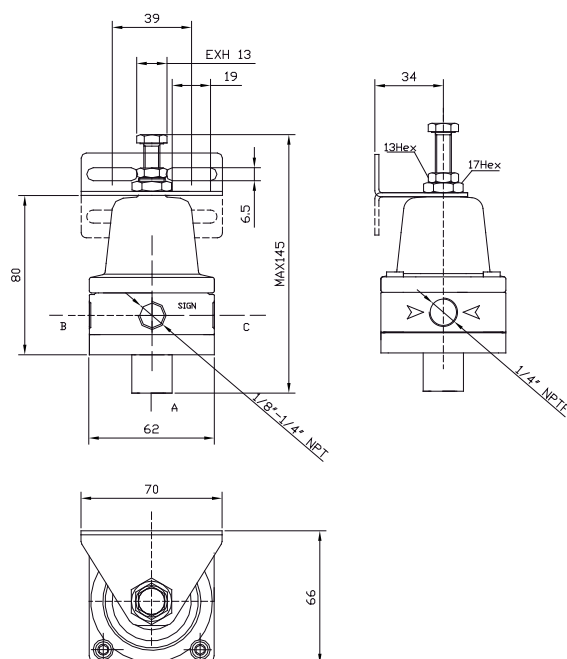
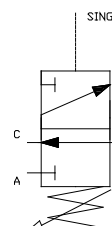
Model SV

Modello SV



Model S3

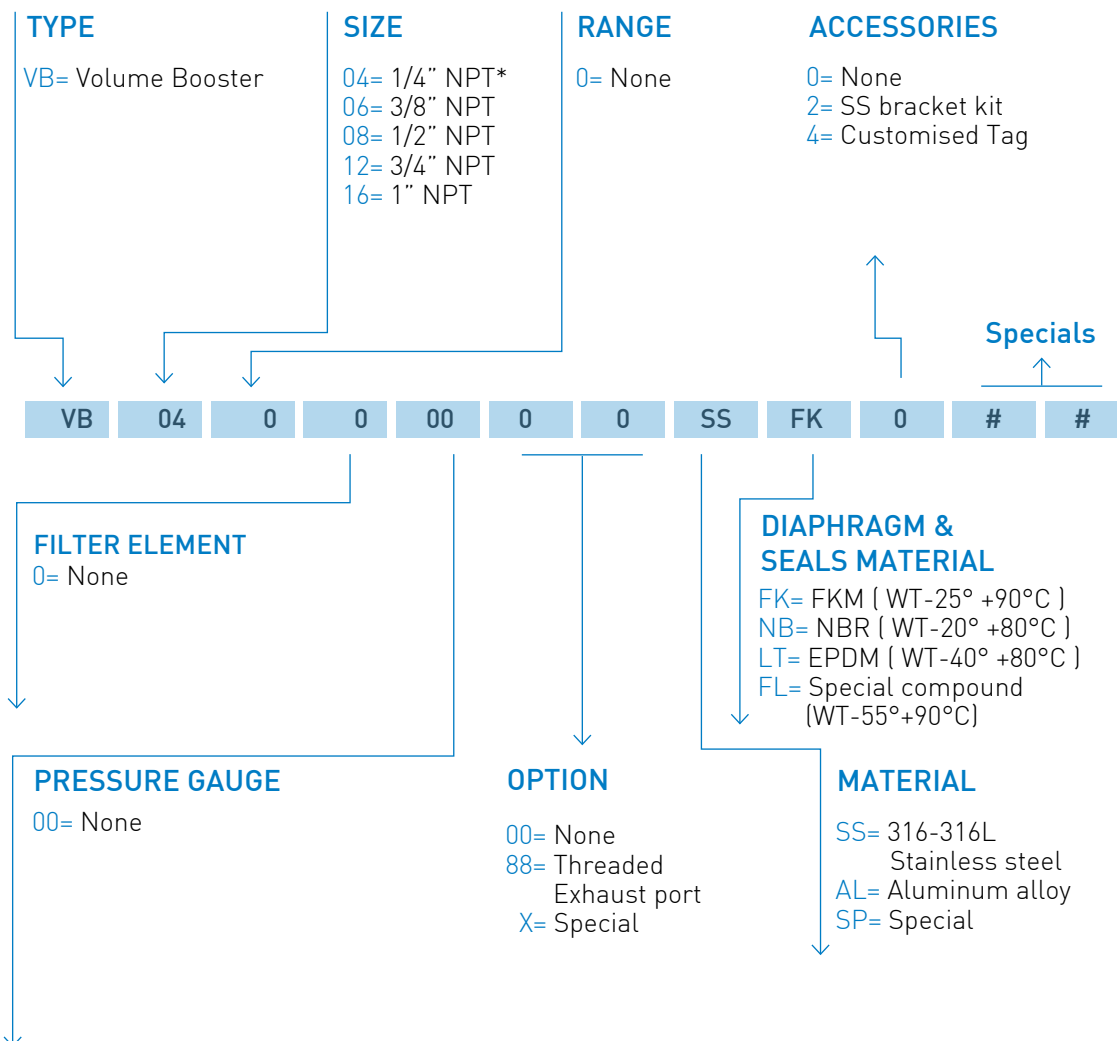
Modello S3



Ordering information

Come ordinare

www.sitecna.eu



CODE EXAMPLES

VB	04	0	0	00	0	0	SS	FK	0	
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1/4"NPT, SS316L, Volume booster, with FKM diaphragm & seals, Cv 1.20, WT -20°C to 80°C

Amplificatore di flusso da 1/4"NPT in AISI316L con diaframma e tenute in FKM, Cv 1.20, temperatura di lavoro da -20°C a +80°C

VB	08	0	0	00	8	8	AL	LT	0	
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
1/2"NPT, Epoxy painted aluminium alloy + SS304 or 316L, volume booster with FKM diaphragm & seals, threaded exhaust, Cv 2.80, WT -25°C to +90°C

Amplificatore di flusso da 1/2"NPT in Lega di alluminio con verniciatura epossidica + AISI304-316L con diaframma e tenute in EPDM, Cv 2.80, scarico filettato, temperatura di lavoro da -40°C a +80°C




BT-APCD/C15A

Aluminium Alloy 1/4"-1/2"NPT Volume Booster – VB serie

Amplificatore di flusso da 1/4" -1/2"NPT in lega di alluminio – serie VB

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- Integral by-pass valve
- ATEX 94/9/CE  II2GD c IICT6 X
-  &  approved



- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- Valvola di by-pass integrale
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Conessioni	1/4"-1/2" NPT
Signal Connection Connessione segnale	1/4"NPT
Max supply pressure Pressione massima di ingresso	10bar
Max signal/output pressure Pressione massima segnale/uscita	10bar
Flow rate (Cv)/Portata	1/4" - Input = 2.20; Exhaust = 2.40 1/2" - Input = 2.80; Exhaust = 2.80
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Linearity/Linearità	+/- 0.90 FS
In/Output pressure ratio Rapporto di pressione In/Out	1:1

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

*Special version available for -55°C up to 90°C

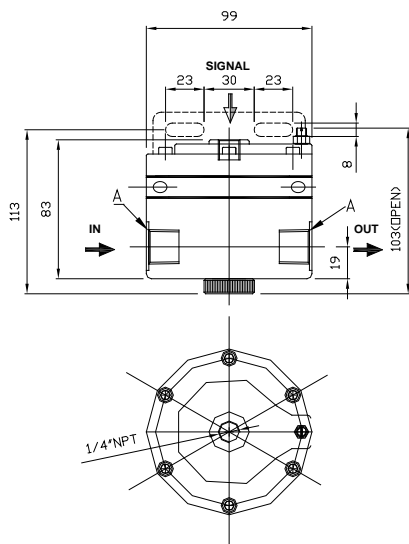
It provides excellent regulation with high flow for a wide range of applications. Rugged and corrosion-resistant – made of aluminum alloy and SS AISI304/316 – Compact small package size – light weight / Permette una regolazione accurata con grandi portate per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in lega di alluminio ed AISI304/316 – Dimensioni di ingombro ridotte – Leggero

BUILDING MATERIALS	Materiali costruttivi
Body in epoxy painted aluminum alloy	Corpo in lega di alluminio con verniciatura epossidica
Adjustment screw, fixing screws in AISI316 stainless steel	Vite di regolazione, viti di fissaggio in acciaio inossidabile AISI316
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Valve spring, Adjustment spring in AISI316 stainless steel or galvanized steel	Molle valvola e di regolazione in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

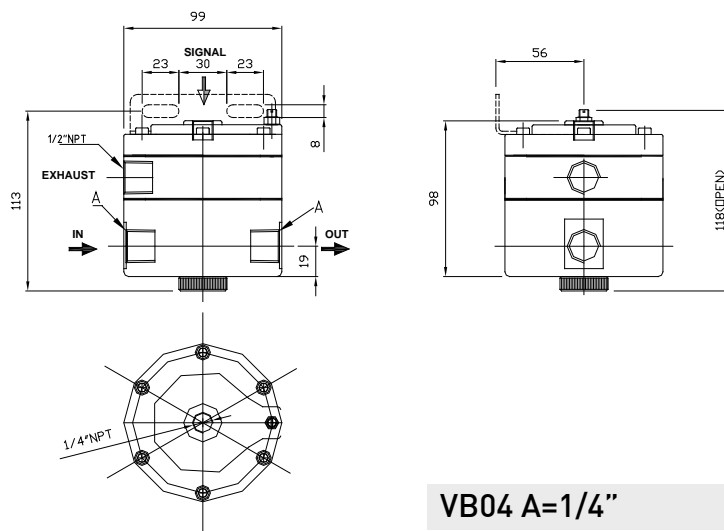
Overall dimension

Dimensioni di ingombro

Free Exhaust
Scarico libero



Threaded exhaust port
Scarico convogliato



VB04 A=1/4"

VB08 A=1/2"

Accessories and repair kit

Accessori e ricambi



Maintenance kit / Kit manutenzione	Items VB -04-K-XAL-** [1/4"] VB -08-K-XAL-** [1/2"]
Bracket and lock nut / Staffa e Dado	C0607-031

** Refers to seals type:



FK→FKM NB→NBR LT→EPDM FL→Low temperature Compound

Aluminium Alloy 3/4"-1"NPT Volume Booster – VB serie

Amplificatore di flusso da 3/4" - 1"NPT in lega di alluminio – serie VB

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- Integral by-pass valve
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved



- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- Valvola di by-pass integrale
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 

Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	3/4"-1" NPT
Signal Connection Connessione segnale	1/4"NPT
Max supply pressure Pressione massima di ingresso	10bar
Max signal/output pressure Pressione massima segnale/uscita	10bar
Flow rate (Cv)/Portata	3/4" - Input = 5.60; Exhaust = 6.50 1" - Input = 8; Exhaust = 8
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Linearity/Linearità	+/- 1.00 FS
In/Output pressure ratio Rapporto di pressione In/Out	1:1

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

*Special version available for -55°C up to 90°C

It provides excellent regulation with high flow for a wide range of applications. Rugged and corrosion-resistant – made of aluminum alloy and SS AISI304/316 - Compact small package size – light weight / Permette una regolazione accurata con grandi portate per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito in lega di alluminio ed AISI304/316 - Dimensioni di ingombro ridotte – Leggero

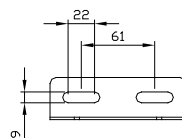
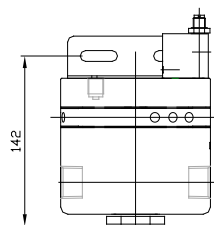
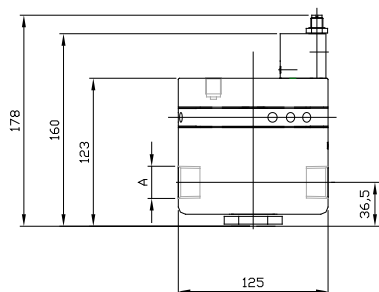
BUILDING MATERIALS	Materiali costruttivi
Body in epoxy painted aluminum alloy	Corpo in lega di alluminio con verniciatura epossidica
Adjustment screw, fixing screws in AISI316 stainless steel	Vite di regolazione, viti di fissaggio in acciaio inossidabile AISI31
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Valve spring, Adjustment spring in AISI316 stainless steel	Molle valvola e di regolazione in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

Overall dimension

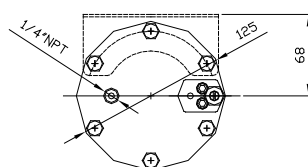
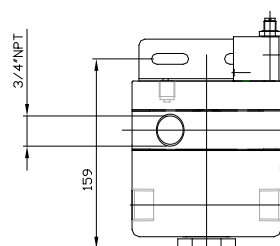
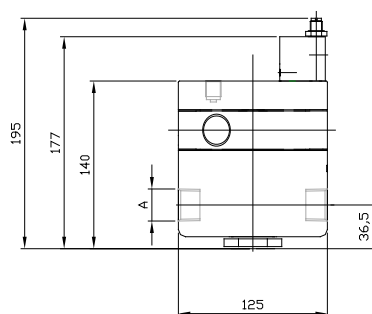
Dimensioni di ingombro

port

Scarico libero



Threaded exhaust port
Scarico convogliato



VB12 A=3/4"

VB16 A=1"

Accessories and repair kit

Accessori e ricambi



Maintenance kit / Kit manutenzione	Items VB -12-K-XAL-** [3/4"] VB -16-K-XAL-** [1"]
Bracket and lock nut / Staffa e Dado	C0607-031



** Refers to seals type:

FK→FKM NB→NBR LT→EPDM FL→Low temperature Compound

SS316L 1/4"-1/2"NPT Volume Booster – VB serie

Amplificatore di flusso da 1/4" -1/2"NPT in AISI316L – serie VB

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- Integral by-pass valve
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- Valvola di by-pass integrale
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Conessioni	1/4"-1/2" NPT
Signal Connection Connessione segnale	1/4"NPT
Max supply pressure Pressione massima di ingresso	10bar
Max signal/output pressure Pressione massima segnale/uscita	10bar
Flow rate (Cv)/Portata	1/4" - Input = 2.20; Exhaust = 2.40 1/2" - Input = 2.80; Exhaust = 2.80
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Linearity/Linearità	+/- 0.90 FS
In/Output pressure ratio Rapporto di pressione In/Out	1:1

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version available for -55°C up to 90°C**

It provides excellent regulation with high flow for a wide range of applications. Rugged and corrosion-resistant – made in SS316L - Compact small package size – light weight

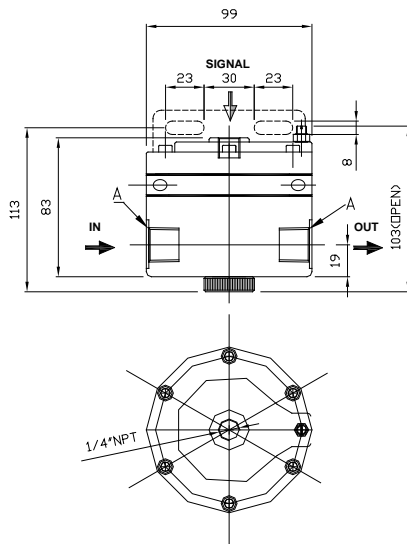
Permette una regolazione accurata con grandi portate per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito completamente in AISI316L - Dimensioni di ingombro ridotte – Leggero

BUILDING MATERIALS	Materiali costruttivi
Body in SS316L	Corpo in AISI316L
Adjustment screw, fixing screws in AISI316 stainless steel	Vite di regolazione, viti di fissaggio in acciaio inossidabile AISI316
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Valve spring, Adjustment spring in AISI316 stainless steel or galvanized steel	Molle valvola e di regolazione in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

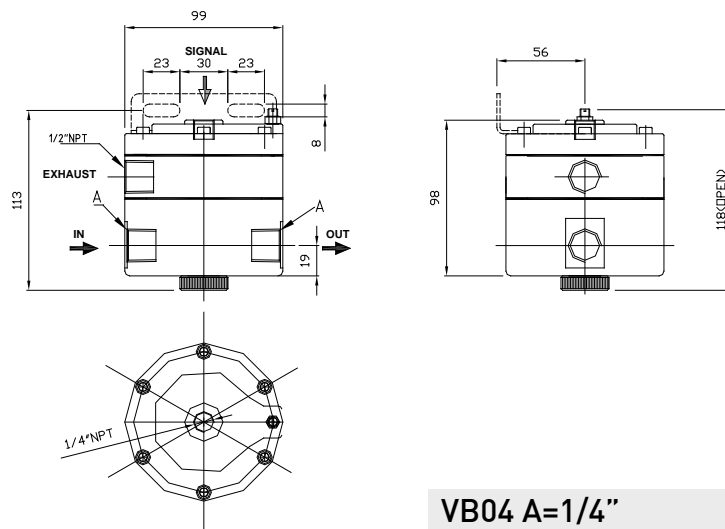
Overall dimension

Dimensioni di ingombro

Free Exhaust
Scarico libero



Threaded exhaust port
Scarico convogliato



VB04 A=1/4"

VB08 A=1/2"

Accessories and repair kit

Accessori e ricambi




Maintenance kit / Kit manutenzione	Items VB -04-K-XSS-** [1/4"] VB -08-K-XSS-** [1/2"]
Bracket and lock nut / Staffa e Dado	C0607-031




** Refers to seals type:

FK→FKM NB→NBR LT→EPDM FL→Low temperature Compound

SS316L 3/4"-1"NPT Volume Booster – VB serie

Amplificatore di flusso da 3/4" -1"NPT in AISI316L – serie VB

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- Integral by-pass valve
- ATEX 94/9/CE  II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- Valvola di by-pass integrale
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Conessioni	3/4"-1" NPT
Signal Connection Connessione segnale	1/4"NPT
Max supply pressure Pressione massima di ingresso	10bar
Max signal/output pressure Pressione massima segnale/uscita	10bar
Flow rate (Cv)/Portata	3/4" - Input = 5.60; Exhaust = 6.50 1" - Input = 8; Exhaust = 8
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Linearity/Linearità	+/- 1.00 FS
In/Output pressure ratio Rapporto di pressione In/Out	1:1

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version available for -55°C up to 90°C**

It provides excellent regulation with high flow for a wide range of applications. Rugged and corrosion-resistant – made in SS316L - Compact small package size – light weight

Permette una regolazione accurata con grandi portate per una vasta gamma di applicazioni. Robusto e resistente alla corrosione – Costruito completamente in AISI316L - Dimensioni di ingombro ridotte – Leggero

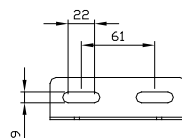
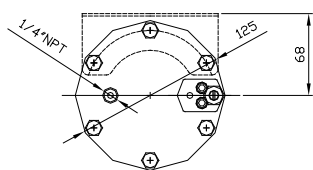
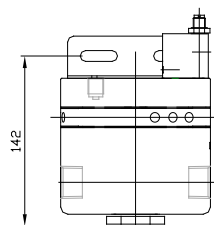
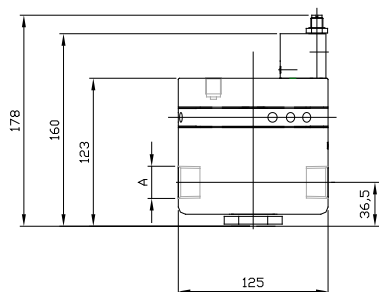
BUILDING MATERIALS	Materiali costruttivi
Body in SS316L	Corpo in AISI316L
Adjustment screw, fixing screws in AISI316 stainless steel	Vite di regolazione, viti di fissaggio in acciaio inossidabile AISI31
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Valve spring, Adjustment spring in AISI316 stainless steel	Molle valvola e di regolazione in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

Overall dimension

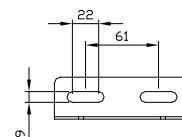
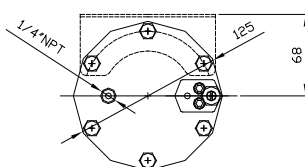
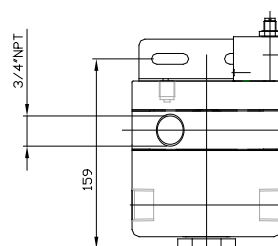
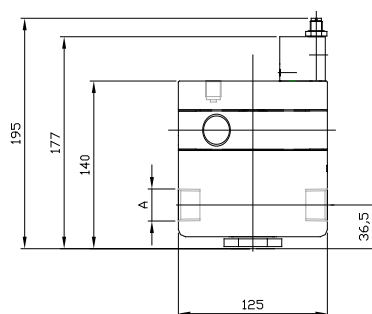
Dimensioni di ingombro

port

Scarico libero



Threaded exhaust port
Scarico convogliato



VB12 A=3/4"

VB16 A=1"

Accessories and repair kit

Accessori e ricambi

Maintenance kit / Kit manutenzione	Items VB -12-K-XSS-** [3/4"] VB -16-K-XSS-** [1"]
Bracket and lock nut / Staffa e Dado	C0607-031

** Refers to seals type:

FK→FKM NB→NBR LT→EPDM FL→Low temperature Compound

Section B – Control valves

Sezione B – Valvole di controllo

A complete range of balanced spool valves in AISI316L with air or mechanical acting for use with air or compatible gas

- Stainless steel 316L complete construction
- Standard Sizes 1/4", 3/8", 1/2"
- Three (3/2) or five (5/2) ways
- Standard seals in NBR/FKM
- High flow features, DN8mm (1/4") or 12mm (1/2")
- Pneumatic acting
- Choice of standard or special mechanical acting
- Manual acting
- Max working pressure to 10bar
- Full material traceability
- Certifications to EN10204 3,1
- 100% Italian production
- 100% Tested
- ATEX and EAC certified range



Una gamma di valvole di controllo a cassetto bilanciato in AISI316L a comando pneumatico o meccanico per uso con aria o gas compatibili



- Costruzione completamente in AISI316L
- Connessioni std da 1/4", 3/8" e 1/2"
- Versioni a tre (3/2) o cinque (5/2) vie
- Tenute std in NBR/FKM
- Elevate portate, 8mm passaggio (1/4") o 12mm passaggio (1/2")
- Azionamento pneumatico
- Varietà di azionamenti meccanici standard o speciali
- Azionamento manuale
- Pressioni di utilizzo 10BAR
- Completa rintracciabilità di tutti i componenti
- Certificati EN10204 3,1
- Produzione 100% italiana
- Collaudo al 100%
- Certificati ATEX e EAC

A complete range of uni or bi directional flow regulators, Quick exhaust valves in AISI316L for use with air or gas

- Stainless steel 316L complete construction
- Standard Sizes 1/4", 3/8", 1/2", 3/4", 1"
- Standard seals in NBR, FKM, PU, Silicone
- Max working pressure to 12bar
- Full material traceability
- Certifications to EN10204 3,1, ATEX, EAC
- 100% Italian production
- 100% Tested



Quick exhaust valves

Una gamma di Regolatori di flusso uni e bi direzionali, Valvole di scarico rapido in AISI316 per uso con aria o gas

- Costruzione completamente in AISI316L
- Connessioni std da 1/4", 3/8", 1/2", 3/4" e 1"
- Tenute std in NBR, FKM, PU, Silicone
- Elevate portate
- Pressioni di utilizzo 12BAR
- Completa rintracciabilità di tutti i componenti
- Certificati EN10204 3,1, ATEX, EAC
- Produzione 100% italiana
- Collaudo al 100%



Uni directional flow regulator

Overload protectors in AISI316L for use with air or gas or liquid

- Stainless steel 316L complete construction
- Standard Sizes 1/2" male x female
- Standard seals in NBR, FKM, EPDM
- Max working pressure to 400bar
- Full material traceability
- Certifications to EN10204 3,1. ATEX, EAC
- 100% Italian production
- 100% Tested

Limitatori di pressione in AISI316 per uso con aria o gas o liquidi

- Costruzione completamente in AISI316L
- Connessioni std da 1/2" maschio femmina
- Tenute std in NBR, FKM, EPDM
- Affidabilità di funzionamento
- Pressioni di utilizzo da 2 a 400BAR
- Completa rintracciabilità di tutti i componenti
- Certificati EN10204 3,1, ATEX, EAC
- Produzione 100% italiana
- Collaudo al 100%



Overload protectors

A complete range of single or double lock-up valves in aluminum alloy or AISI316L for use with air or compatible gas

- Copper free aluminum alloy or Stainless steel 316L complete construction
- Standard Size 1/4"
- Single or double lock-up valve
- Standard seals and diaphragms in NBR, EPDM, FKM, FVQM, Special compound
- Max working pressure to 10BAR - 12BAR
- Sensibility 0.1 BAR
- Temperature range from -55°C to +90°C
- Full material traceability
- Certifications to EN10204 3,1
- ATEX and EAC certified range
- 100% Italian production
- 100% Tested



Una gamma di valvole di lock-up singole o doppie in alluminio esente rame o in AISI316L per uso con aria o gas

- Costruzione completamente in alluminio esente rame o AISI316L
- Connessioni std da 1/4"
- Valvola di lock-up singola o doppia
- Tenute e diaframmi std in NBR, EPDM, FKM, FVMQ, mescole speciali
- Pressione di utilizzo massima 10BAR - 12BAR
- Sensibilità 0.1 BAR
- Temperatura di utilizzo da -55°C a +90°C
- Completa rintracciabilità di tutti i materiali
- Certificati EN10204 3,1
- Certificati ATEX e EAC
- Produzione 100% italiana
- Collaudo al 100%

Aluminum alloy Air & Mechanical acting directional control Spool Valves

Valvole di controllo a cassetto ad azionamento pneumo-meccanico in lega di alluminio

**1/4", 3/8", 1/2"
3/2, 5/2**



Stainless Steel 316L Air & Mechanical acting directional control Spool Valves

Valvole di controllo a cassetto ad azionamento pneumo-meccanico in AISI316L

**1/4", 3/8", 1/2"
3/2, 5/2**



Stainless Steel 316L Manual Return directional control Spool Valves

Valvole di controllo a cassetto a reset manuale in AISI316L

**1/4"
3/2, 5/2**



Stainless steel 316L Quick exhaust valves

Valvole di scarico in AISI316L

1/8", 1/4", 3/8", 1/2", 3/4"



Stainless steel 316L Flow regulators

Valvole di scarico in AISI316L

**1/8", 1/4", 3/8", 1/2", 3/4"
Uni-Bidirectional - Uni-Bidirezionali**

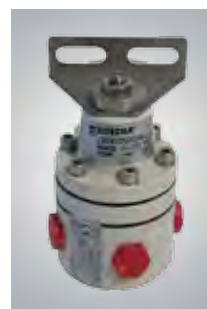


Ordering information LK serie

Informazioni per l'ordine serie LK

**Aluminum alloy lock-up valves**

Valvole di lock-up in lega di alluminio

**Single or Double Lock-Up / Lock up singolo o doppio
1/4"****Stainless Steel 316L lock-up valves**

Valvole di lock-up in AISI316L



**Single or Double Lock-Up / Lock up singolo o doppio
1/4"****Stainless steel 316L Overload protectors**

Limitatori di pressione in AISI316L



1/2"NPT M/F

Aluminum alloy Air & Mechanical Acting directional control Spool Valves - DP serie

Valvole controllo direzione a cassetto ad azionamento pneumatico o meccanico in lega di alluminio - serie DP

- 3/2 or 5/2 Functions
- 1/8" - 1/4" - 3/8" size
- Compact size
- Suitable for multidirectional flow
- Provided with through-holes in the body
- Suitable for dual pressure application
- Full construction in aluminum & stainless steel
- Standard NPT threads
- Suitable for control and instrument gases
- High flow rate for the compact size of the valve
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved



- Funzioni 3/2 e 5/2
- Taglie da 1/8" - 1/4" - 3/8"
- Dimensioni compatte
- Adatte per flussi multidirezionali
- Dotate di fori passanti sul corpo
- Adatte per applicazioni con doppia pressione
- Componenti costruttivi in alluminio ed acciaio inox
- Filettature NPT standard
- Idonee per gas di controllo e strumentale
- Alte portate per le dimensioni compatte della valvola
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 

Technical features:

Caratteristiche tecniche:

- Fluid : air and compatible gases
- Working pressure : 2.8 - 12 bar
- Operating pressure : 2.8 bar
- Working temperature : -40°C/+82°C
- Cv: 0.6, 1.0, 2.0
- Fluido : aria e gas compatibili
- Pressione di lavoro : 2.8 - 12 bar
- Pressione di azionamento : 2.8 bar
- Temperatura di lavoro : -40°C/+82°C
- Cv: 0.6, 1.0, 2.0

Materials:

Materiali:

- Body, end adapters, spool in black anodized aluminum
- Screws and springs in stainless steel
- Gasket and seals in urethane
- Corpo, adattatori terminali e spola in alluminio anodizzato
- Viti e molle in acciaio inossidabile
- Guarnizioni e tenute in uretano

Alternative model

Modelli alternativi

- Air pilot reset
- Reset pneumatico

3/2 – 1/8" BODY - 3/2 – CORPO 1/8"**CV=0.6**

SIZE CONNESSIONI	FUNCTION FUNZIONE	OPERATOR AZIONAMENTO	RETURN RIPOSIZIONAMENTO	MODEL MODELLO
1/8" NPT	3/2	Pilot /Pneumatico	Spring / Molla	DP32AL02N (TD-2220)
1/8" NPT	3/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP32AL02N (TD-2230)
1/8" NPT	3/2	Knob / Pulsante Palmo	Spring / Molla	DP32AL02N-M1 (TD-2280)
1/8" NPT	3/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP32AL02N-M2 (TD-2200)

3/2 – 1/4" BODY - 3/2 – CORPO 1/4"**CV=1.0**

SIZE CONNESSIONI	FUNCTION FUNZIONE	OPERATOR AZIONAMENTO	RETURN RIPOSIZIONAMENTO	MODEL MODELLO
1/4" NPT	3/2	Pilot /Pneumatico	Spring / Molla	DP32AL04N (TD-4220)
1/4" NPT	3/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP32AL04N (TD-4230)
1/4" NPT	3/2	Knob / Pulsante Palmo	Spring / Molla	DP32AL04N-M1 (TD-4280)
1/4" NPT	3/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP32AL04N-M2 (TD-4200)

3/2 – 3/8" BODY - 3/2 – CORPO 3/8"**CV=2.0**

SIZE CONNESSIONI	FUNCTION FUNZIONE	OPERATOR AZIONAMENTO	RETURN RIPOSIZIONAMENTO	MODEL MODELLO
1/4" NPT	3/2	Pilot /Pneumatico	Spring / Molla	DP32AL04N-HF (TR-6220)
1/4" NPT	3/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP32AL04N-HF (TR-6230)
1/4" NPT	3/2	Knob / Pulsante Palmo	Spring / Molla	DP32AL04N-M1-HF (TR-6280)
1/4" NPT	3/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP32AL04N-M2-HF (TR-6200)
3/8" NPT	3/2	Pilot /Pneumatico	Spring / Molla	DP32AL06N (TD-6220)
3/8" NPT	3/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP32AL06N (TD-6230)
3/8" NPT	3/2	Knob / Pulsante Palmo	Spring / Molla	DP32AL06N-M1 (TD-6280)
3/8" NPT	3/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP32AL06N-M2 (TD-6200)

5/2 – 1/8" BODY - 3/2 – CORPO 1/8"**CV=0.6**

SIZE CONNESSIONI	FUNCTION FUNZIONE	OPERATOR AZIONAMENTO	RETURN RIPOSIZIONAMENTO	MODEL MODELLO
1/8" NPT	5/2	Pilot /Pneumatico	Spring / Molla	DP52AL02N (TD-2320)
1/8" NPT	5/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP52AL02N (TD-2330)
1/8" NPT	5/2	Knob / Pulsante Palmo	Spring / Molla	DP52AL02N-M1 (TD-2380)
1/8" NPT	5/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP52AL02N-M2 (TD-2300)

5/2 – 1/4" BODY - 3/2 – CORPO 1/4"**CV=1.0**

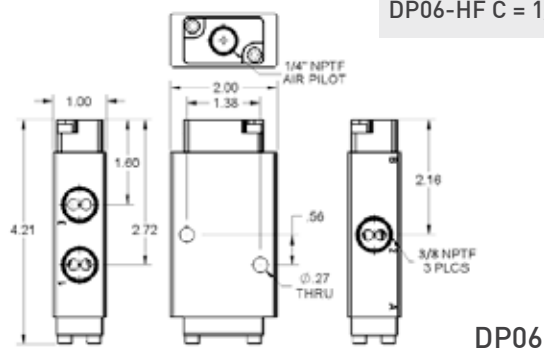
SIZE CONNESSIONI	FUNCTION FUNZIONE	OPERATOR AZIONAMENTO	RETURN RIPOSIZIONAMENTO	MODEL MODELLO
1/4" NPT	5/2	Pilot /Pneumatico	Spring / Molla	DP52AL04N (TD-4320)
1/4" NPT	5/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP52AL04N (TD-4330)
1/4" NPT	5/2	Knob / Pulsante Palmo	Spring / Molla	DP52AL04N-M1 (TD-4380)
1/4" NPT	5/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP52AL04N-M2 (TD-4300)

5/2 – 3/8" BODY- 3/2 – CORPO 3/8"**CV=2.0**

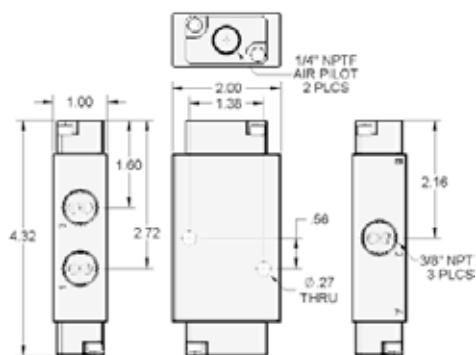
SIZE CONNESSIONI	FUNCTION FUNZIONE	OPERATOR AZIONAMENTO	RETURN RIPOSIZIONAMENTO	MODEL MODELLO
1/4" NPT	5/2	Pilot /Pneumatico	Spring / Molla	DP52AL04N-HF (TR-6320)
1/4" NPT	5/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP52AL04N-HF (TR-6330)
1/4" NPT	5/2	Knob / Pulsante Palmo	Spring / Molla	DP52AL04N-M1-HF (TR-6380)
1/4" NPT	5/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP52AL04N-M2-HF (TR-6300)
3/8" NPT	5/2	Pilot /Pneumatico	Spring / Molla	DP52AL06N (TD-6320)
3/8" NPT	5/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP52AL06N (TD-6330)
3/8" NPT	5/2	Knob / Pulsante Palmo	Spring / Molla	DP52AL06N-M1 (TD-6380)
3/8" NPT	5/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP52AL06N-M2 (TD-6300)

Funzionamento 3/2"

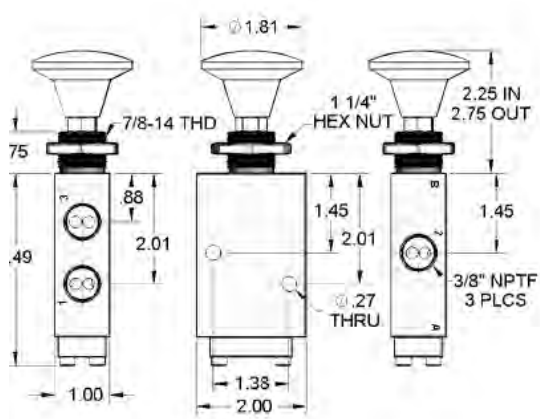
Azionamento pneumatico - ritorno: a molla



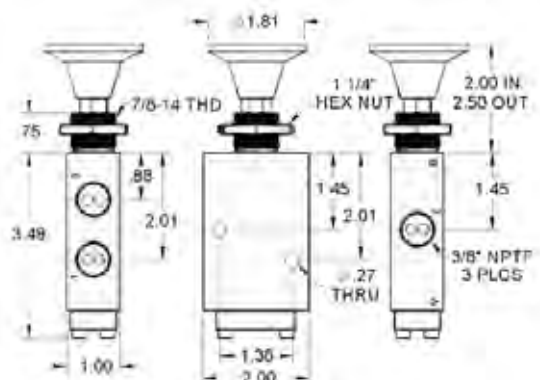
Azionamento pneumatico - ritorno: pneumatico



Azionamento: pulsante palmo - ritorno a molla



Azionamento: pulsante - ritorno: pulsante



Function 5/2

Funzionamento 3/2"

Operator: pilot - Return: spring

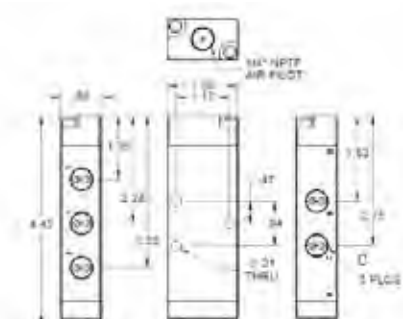
Azionamento pneumatico - ritorno: a molla

DP02 C = 1/2"

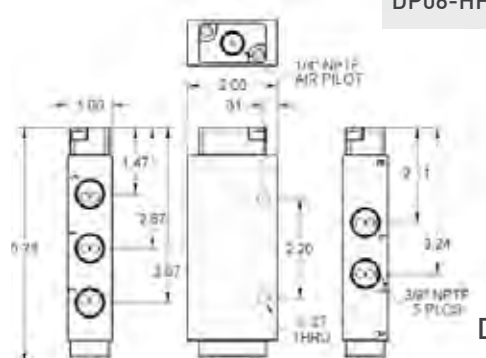
DP04 C = 1/4"

DP06 C = 3/8"

DP06-HF C = 1/4"



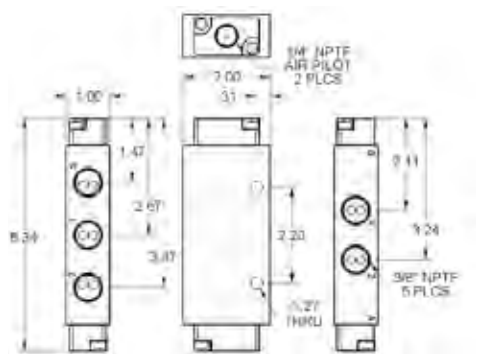
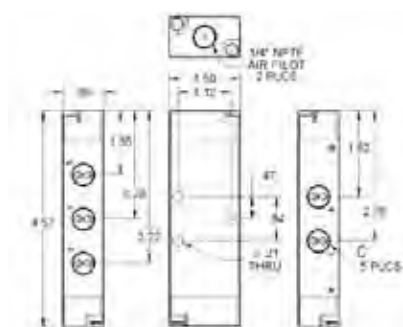
DP02, DP04



DP06

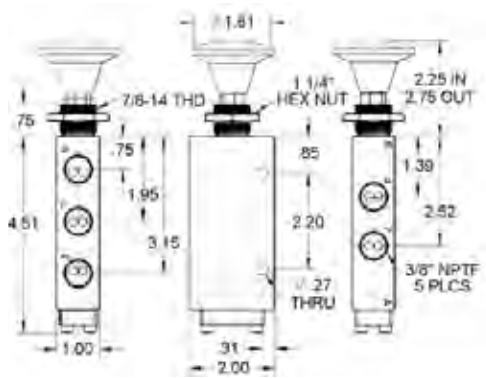
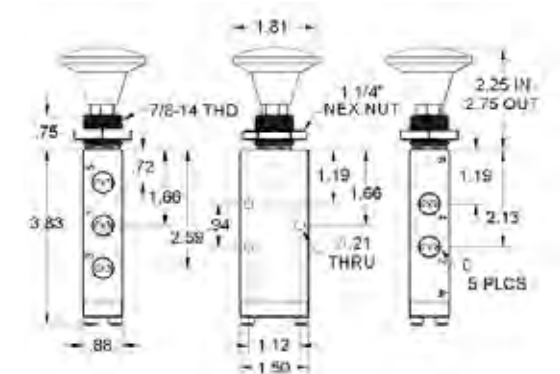
Operator: pilot - Return: pilot

Azionamento pneumatico - ritorno: pneumatico



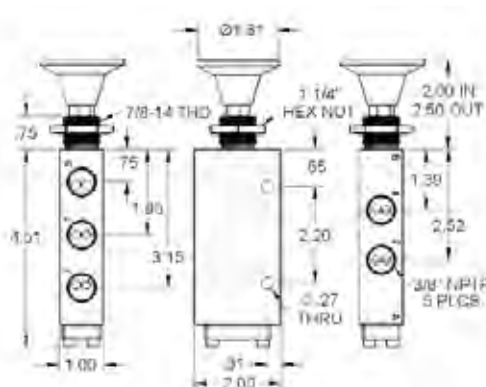
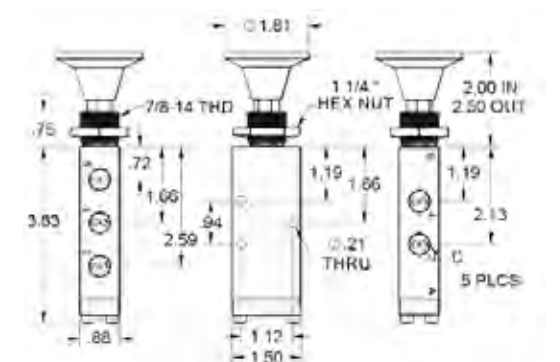
Operator: knob-push - Return: spring

Azionamento: pulsante palmo - ritorno a molla





Operator: knob-push - Return: knob-pull

Azionamento: pulsante - ritorno: pulsante





AISI316L Air & Mechanical Acting directional control Spool Valves - DP serie

Valvole controllo direzione a cassetto ad azionamento pneumatico o meccanico in AISI316L

- 3/2 or 5/2 Functions
- 1/4" - 3/8" (DN8mm) & 1/2" - 3/4" (DN12mm) size
- Compact size
- Suitable for multidirectional flow
- Provided with through-holes in the body
- Suitable for dual pressure application
- Full construction in 316L stainless steel
- Standard NPT threads
- Suitable for control and instrument gases
- High flow rate for the compact size of the valve
- Complete material traceability
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved



- Funzioni 3/2 e 5/2
- Taglie da 1/4" - 3/8" (DN 8mm) e da 1/2" - 3/4" (DN12mm)
- Dimensioni compatte
- Adatte per flussi multidirezionali
- Dotate di fori passanti sul corpo
- Adatte per applicazioni con doppia pressione
- Componenti costruttivi in AISI316L
- Filettature NPT standard
- Idonee per gas di controllo e strumentale
- Alte portate per le dimensioni compatte della valvola
- Completa rintracciabilità dei materiali
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 

Technical features:

Caratteristiche tecniche:

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • Fluid : air and compatible gases • Working pressure : -0.9 -10 bar • Operating pressure : 2.5 bar • Working temperature : -20°C/+90°C • Orifice : dn 8 mm (1/4") ; dn 12 mm (1/2") | <ul style="list-style-type: none"> • Fluido : aria e gas compatibili • Pressione di lavoro : -0,9 - 10 bar • Pressione di azionamento : 2.5 bar • Temperatura di lavoro : -20°C/+90°C • Orifizio : dn 8 mm (1/4") ; dn 12 mm (1/2") |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Materials:

Materiali:

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • Body, end adapters, spool in 316L stainless steel • Screws and springs in stainless steel • Gasket and seals in synthetic rubber | <ul style="list-style-type: none"> • Corpo, adattatori terminali e spola in AISI316L • Viti e molle in acciaio inossidabile • Guarnizioni e tenute in gomma sintetica |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Alternative model

Modelli alternativi

- | | |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • Manual reset • Key operator • ISO threads | <ul style="list-style-type: none"> • Reset manuale • Key operator • Filettature ISO |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|

3/2 – 1/4" BODY - 3/2 – CORPO 1/4"

SIZE CONNESSIONI	FUNCTION FUNZIONE	OPERATOR AZIONAMENTO	RETURN RIPOSIZIONAMENNTTO	MODEL MODELLO
1/4" NPT	3/2	Pilot /Pneumatico	Spring / Molla	DP32SS04N
1/4" NPT	3/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP32SS04N
1/4" NPT	3/2	Knob / Pulsante Palmo	Spring / Molla	DP32SS04N-M1
1/4" NPT	3/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP32SS04N-M2

3/2 – 1/2" BODY - 3/2 – CORPO 1/2"

SIZE CONNESSIONI	FUNCTION FUNZIONE	OPERATOR AZIONAMENTO	RETURN RIPOSIZIONAMENNTTO	MODEL MODELLO
3/8" NPT	3/2	Pilot /Pneumatico	Spring / Molla	DP32SS06N
3/8" NPT	3/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP32SS06N
3/8" NPT	3/2	Knob / Pulsante Palmo	Spring / Molla	DP32SS06N-M1
3/8" NPT	3/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP32SS06N-M2
1/2" NPT	3/2	Pilot /Pneumatico	Spring / Molla	DP32SS08N
1/2" NPT	3/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP32SS08N
1/2" NPT	3/2	Knob / Pulsante Palmo	Spring / Molla	DP32SS08N-M1
1/2" NPT	3/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP32SS08N-M2
3/4" NPT	3/2	Pilot /Pneumatico	Spring / Molla	DP32SS12N
3/4" NPT	3/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP32SS12N
3/4" NPT	3/2	Knob / Pulsante Palmo	Spring / Molla	DP32SS12N-M1
3/4" NPT	3/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP32SS12N-M2

5/2 – 1/4" BODY - 5/2 – CORPO 1/4"

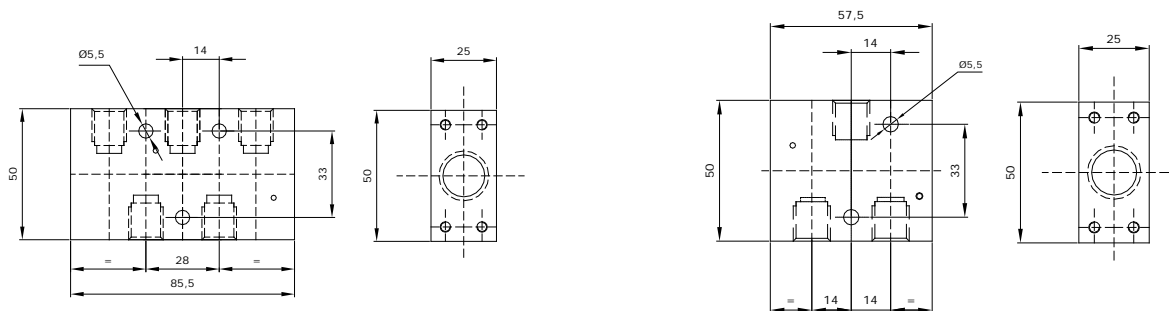
SIZE CONNESSIONI	FUNCTION FUNZIONE	OPERATOR AZIONAMENTO	RETURN RIPOSIZIONAMENNTTO	MODEL MODELLO
1/4" NPT	5/2	Pilot /Pneumatico	Spring / Molla	DP52SS04N
1/4" NPT	5/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP52SS04N
1/4" NPT	5/2	Knob / Pulsante Palmo	Spring / Molla	DP52SS04N-M1
1/4" NPT	5/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP52SS04N-M2

5/2 – 1/2" BODY - 5/2 – CORPO 1/2"

SIZE CONNESSIONI	FUNCTION FUNZIONE	OPERATOR AZIONAMENTO	RETURN RIPOSIZIONAMENNTTO	MODEL MODELLO
3/8" NPT	5/2	Pilot /Pneumatico	Spring / Molla	DP52SS06N
3/8" NPT	5/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP52SS06N
3/8" NPT	5/2	Knob / Pulsante Palmo	Spring / Molla	DP52SS06N-M1
3/8" NPT	5/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP52SS06N-M2
1/2" NPT	5/2	Pilot /Pneumatico	Spring / Molla	DP52SS08N
1/2" NPT	5/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP52SS08N
1/2" NPT	5/2	Knob / Pulsante Palmo	Spring / Molla	DP52SS08N-M1
1/2" NPT	5/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP52SS08N-M2
3/4" NPT	5/2	Pilot /Pneumatico	Spring / Molla	DP52SS12N
3/4" NPT	5/2	Pilot /Pneumatico	Pilot /Pneumatico	DPP52SS12N
3/4" NPT	5/2	Knob / Pulsante Palmo	Spring / Molla	DP52SS12N-M1
3/4" NPT	5/2	Knob / Pulsante Palmo	Knob / Pulsante Palmo	DP52SS12N-M2

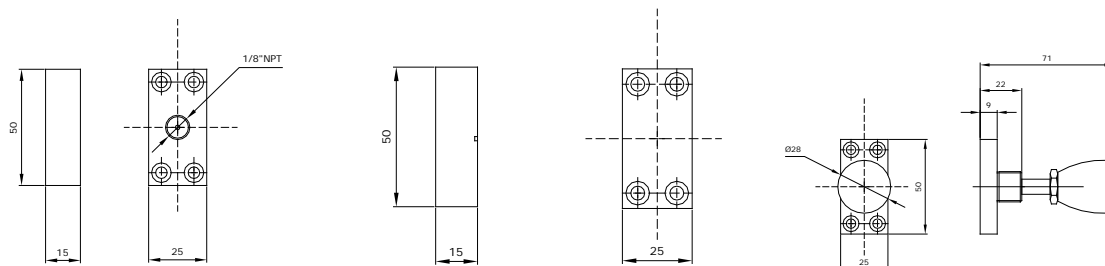
1/4" 5/2 & 3/2 Body dimension

Dimensioni 5/2 e 3/2 1/4"



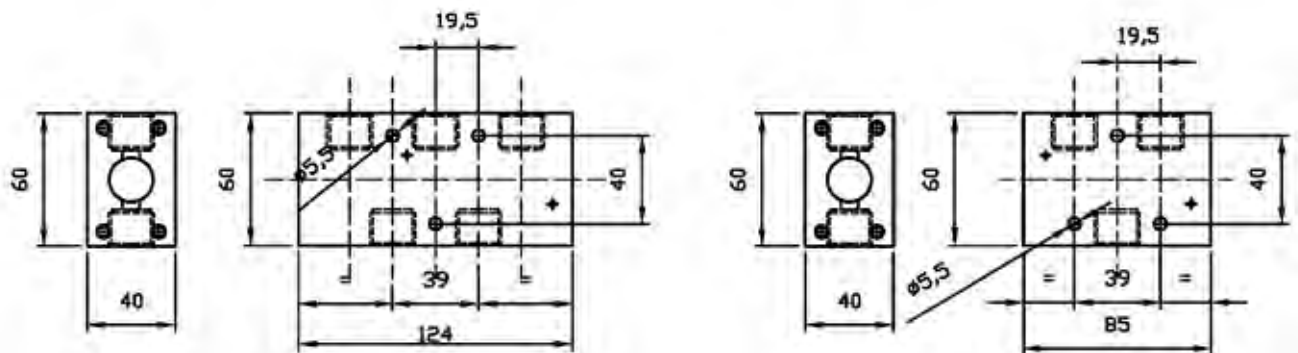
Pilot, spring & manual operator

Azionamenti pneumatici, molla e manuali



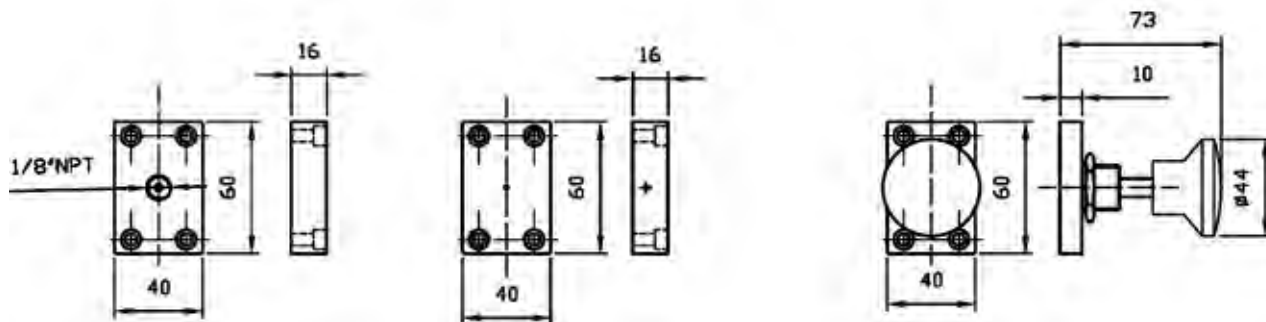
1/2" 5/2 & 3/2 Body dimension

Dimensioni corpo 5/2 e 3/2 1/2"





Pilot, spring & manual operator

Azionamenti pneumatici, molla e manuali




AISI316L Directional control Spool Valves Manual Reset - DP serie

Valvole controllo direzione a cassetto a reset manuale in AISI316L - serie DP

- 3/2 or 5/2 Functions
- 1/4"(DN5mm)
- Compact size
- Suitable for multidirectional flow
- Provided with through-holes in the body
- Suitable for dual pressure application
- Full construction in 316L stainless steel
- Standard NPT threads
- Suitable for control and instrument gases
- High flow rate for the compact size of the valve
- Complete material traceability
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved



- Funzioni 3/2 e 5/2
- Taglie da 1/4" (DN5mm)
- Dimensioni compatte
- Adatte per flussi multidirezionali
- Dotate di fori passanti sul corpo
- Adatte per applicazioni con doppia pressione
- Componenti costruttivi in AISI316L
- Filettature NPT standard
- Idonee per gas di controllo e strumentale
- Alte portate per le dimensioni compatte della valvola
- Completa rintracciabilità dei materiali
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 

Technical features:

Caratteristiche tecniche:

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• Fluid : air and compatible gases• Working pressure : -0.9 –10 bar• Operating pressure : 3 bar• Working temperature : -20°C/+90°C• Orifice : dn 6 mm (1/4") | <ul style="list-style-type: none">• Fluido : aria e gas compatibili• Pressione di lavoro : -0,9 – 10 bar• Pressione di azionamento : 2,5 bar• Temperatura di lavoro : -20°C/+90°C• Orifizio : dn 6 mm (1/4") |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Materials:

Materiali:

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• Body, end adapters, spool in 316L stainless steel• Screws and springs in stainless steel• Gasket and seals in synthetic rubber FKM | <ul style="list-style-type: none">• Corpo, adattatori terminali e spola in AISI316L• Viti e molle in acciaio inossidabile• Guarnizioni e tenute in gomma sintetica FKM |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Alternative model

Modelli alternativi

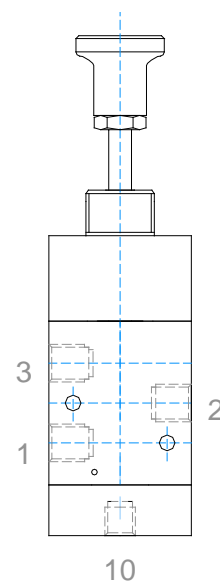
- | | |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• Key operator• ISO threads | <ul style="list-style-type: none">• Key operator• Filettature ISO |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

Automatic operation

Funzionamento automatico

In the absence of a pilot signal 10, the valve joins together the connections 3 and 2, shutting off the connection 1. When the pilot signal acts upon the piston and moves the spindle to the end of the stroke, the connections 1 and 2 are joined together, while connection 3 is shut off. When the signal pilot ceases, a spring brings back the spindle to its initial position and the initial configuration is restored.

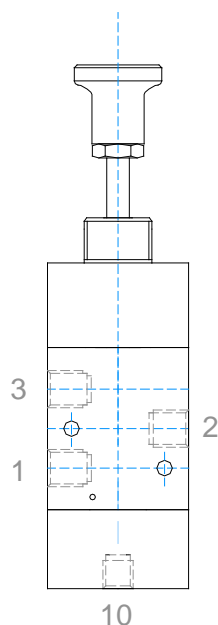
In assenza di segnale-pilota 10 la valvola pone in comunicazione gli attacchi 3 e 2 intercettando la connessione 1. Quando il segnale pilota agisce sul pistone e sposta la spoletta a fine corsa, sono posti in comunicazione gli attacchi 1 e 2 mentre l'attacco 3 è intercettato. Al cessare del segnale pilota, la molla spinge la spoletta nella posizione iniziale e ripristina la configurazione di partenza.



Pilot 3/2
Pneumatico 3/2

Operation with manual reset

Funzionamento con riarmo manuale



Manual Reset 3/2
Riarmo manuale 3/2

The configuration is the same as in automatic operation, except that the presence of an actuating end caps with a piston prevents the action of the pilot signal without a previous manual reset by the operator. When the pilot signal is present at connection 10, the operator permits it to pass through by pulling the knob. The piston then moves the spindle to the end of the stroke, joining together the connections 1 and 2. When the pilot signal ceases, a spring brings back the spindle to its initial position, thus joining together the connections 2 and 3.

La configurazione è la stessa del funzionamento automatico ma la testata di azionamento con un pistone impedisce al segnale-pilota di agire senza l'intervento manuale dell'operatore. Quando il segnale pilota è presente all'attacco 10 e l'operatore, agendo sul pomolo, ne consente il transito, il pistone sposta la spoletta a fine corsa mettendo in comunicazione gli attacchi 1 e 2. Al cessare del segnale-pilota, la molla spinge la spoletta nella posizione iniziale mettendo in comunicazione gli attacchi 2 e 3.

3/2 – 1/4" BODY - 3/2 – CORPO 1/4"

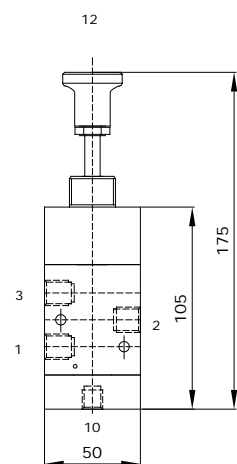
SIZE CONNESSIONI	FUNCTION FUNZIONE	OPERATOR AZIONAMENTO	RETURN RIPOSIZIONAMENNTTO	MODEL MODELLO
1/4" NPT	3/2	Pilot /Pneumatico	Spring / Molla	DP32SS04N-RM1
1/4" NPT	3/2	Pilot & manual / Pneumatico e manuale	Spring / Molla	DPP32SS04N-RM

5/2 – 1/4" BODY - 5/2 – CORPO 1/4"

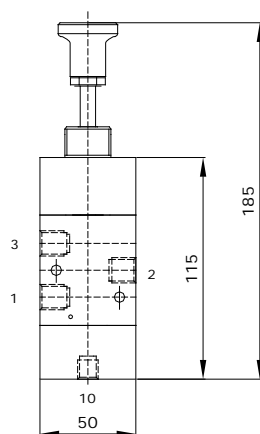
SIZE CONNESSIONI	FUNCTION FUNZIONE	OPERATOR AZIONAMENTO	RETURN RIPOSIZIONAMENNTTO	MODEL MODELLO
1/4" NPT	5/2	Pilot /Pneumatico	Spring / Molla	DP52SS04N-RM1
1/4" NPT	5/2	Pilot & manual / Pneumatico e manuale	Spring / Molla	DPP52SS04N-RM

Overall dimension

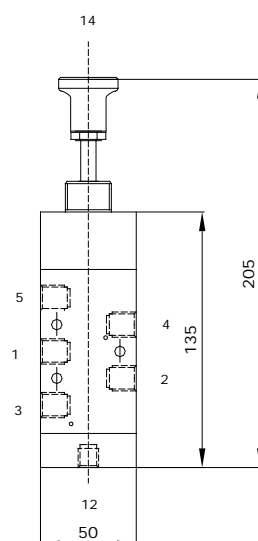
Dimensioni di ingombro



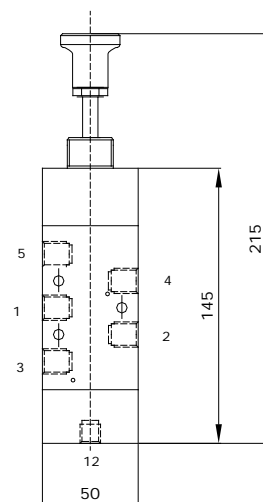
Pilot 3/2
Pneumatico 3/2



Manual Reset 3/2
Riarmo manuale 3/2



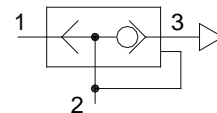
Pilot 5/2
Pneumatico 5/2



Manual Reset 5/2
Riarmo manuale 5/2

SS316L Quick exhaust valves - VSR serie

Valvole di scarico rapido in AISI316L - serie VSR



Enables air to be exhausted quickly from air reservoirs and cylinders allowing higher cylinder speeds to be achieved. Simple, compact design and construction that grants for reliability in operations. Corrosion resistant body in stainless steel 316L allows the use in high corrosive environment.

Choice of plastic materials for moving element make this product suitable for a wide range of working temperatures. Valves can be used in every position, but for a prompt fluid discharge it is suggested to connect them as near as possible to the cylinder.

Connection 1 is air inlet, connection 2 is air use and connection 3 is the exhaust.



- ATEX 94/9/CE II2GD c IICT6 X
- & approved

- ATEX 94/9/CE II2GD c IICT6 X
- Approvato ed

Consentono un rapido scarico dell'aria da serbatoi e cilindri permettendo il raggiungimento di elevate velocità del cilindro.

Sistema e struttura semplici e compatti garantiscono un funzionamento altamente affidabile. Il corpo in AISI316L consente l'utilizzo in ambienti corrosivi.

La scelta di differenti materiali plastici per l'elemento di commutazione rendono utilizzabile questo prodotto

in un'ampia gamma di temperature. Le valvole possono essere montate in qualunque posizione, ma per un'efficace evacuazione devono essere piazzate il più vicino possibile al cilindro.

Technical features:

Caratteristiche tecniche:

- **Medium : compressed air or inert gases, filtered, lubricated and non lubricated**

Fluidi : aria compressa o gas inerti, filtrata, lubrificata e non lubrificata

- **Operating pressure : 2/12bar**

Pressione d'esercizio : 2/12bar

- **Operating temperature : -20°C / + 80°C:**

Low or high temperature element available on request

Temperatura di esercizio: -20°C / + 80°C

Elemento per bassa o alta temperatura su richiesta

- **Materials : Body SS316L; Element in PU, FKM or silicon on request**

Materiali : Corpo in AISI316L; elemento in PU, FKM o silicone su richiesta

MODEL MODELLO	THREAD FILETTO	Dn	ELEMENT MATERIALE	WP PN	WT °C WT °C
VSR02NSS*	1/8" NPT	8	PU	2-12BAR	-20°/+80°
VSR04NSS*	1/4" NPT	8	PU	2-12BAR	-20°/+80°
VSR04HNSS#	1/4" NPT	10	PU	2-12BAR	-20°/+80°
VSR06NSS*	3/8" NPT	10	PU	2-12BAR	-20°/+80°
VSR08NSS*	1/2" NPT	12	PU	2-12BAR	-20°/+80°
VSR12NSS*	3/4" NPT	19	PU	2-12BAR	-20°/+80°
VSR16NSS*	1" NPT	19	PU	2-12BAR	-20°/+80°

* Silicon element for low temperature (-40°C) available – add LT to the code

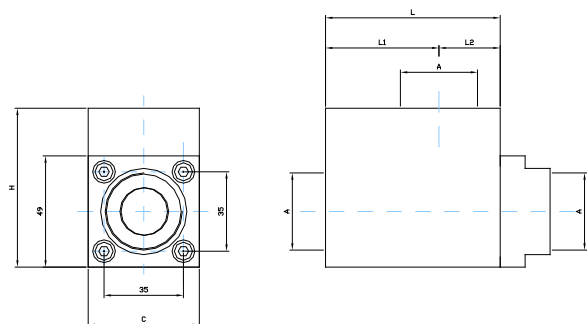
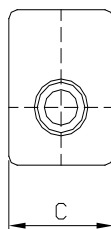
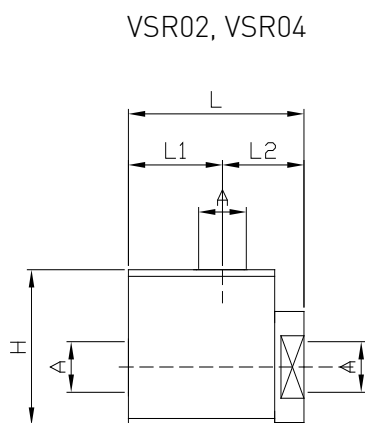
Disponibile elemento in silicone per basse temperature (-40°C) – aggiungere LT al codice

* FPM element for high temperature (+90°C) available – add FP to the code

Disponibile elemento in FPM per alte temperature (+90°C) – aggiungere FP al codice

Overall dimension

Dimensioni di ingombro



VSR06, VSR08, VSR12, VSR16




MODEL MODELLO	THREAD FILETTO	L	L1 MATERIALE	L2	H	C	Kg
VSR02NSS*	1/8" NPT	42	22,5	19,5	35	25	0,082
VSR04NSS*	1/4" NPT	42	22,5	19,5	35	25	0,082
VSR04HNSS#	1/4" NPT	44	24	20	40	30	0,096
VSR06NSS*	3/8" NPT	56	33	23	53	40	0.785
VSR08NSS*	1/2" NPT	56	33	23	53	40	0.785
VSR12NSS*	3/4" NPT	99	50	49	70	49	2.165
VSR16NSS*	1" NPT	99	50	49	70	49	2.165

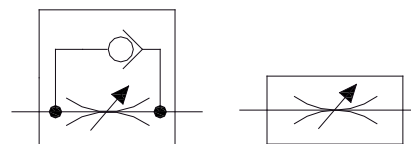
BT-VSRSS/C15B

SS316L Flow regulators - RF serie




Regolatori di flusso in AISI316L - serie RF

Flow regulators are generally used to control the outflow of a media . A typical application is the speed control of an actuator . A complete range of needle valves and flow regulators provides a variety of choices between uni or bi-directional versions and different precision features.

- Suitable for air or gas service
- Robust SS316L design
- Different end connections available
- Panel mount nut std. option
- 12bar max working pressure
- ATEX 94/9/CE  II2GD c IICT6 X
-  &  approved



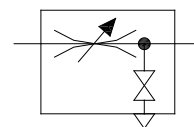
I regolatori di flusso sono generalmente impiegati per il controllo della portata di efflusso del fluido controllato. Una tipica applicazione è la regolazione della velocità negli attuatori. Una selezione completa di regolatori consente un'ampia scelta fra le diverse tipologie, uni e bidirezionali e con diverse caratteristiche di precisione.

- Idonei per utilizzo con aria o gas
- Robusta costruzione in AISI316L
- Disponibili con varietà di connessioni
- Predisposti per montaggio a pannello
- Pressione di lavoro massima 12bar
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 

Alternative model - available on request

Modelli alternativi - Disponibile su richiesta

- 1mm drilled stem
- optional bleed - instrument block & bleed valve
- foro spillo 1 mm (spillo non chiude)
- opzione - block & bleed



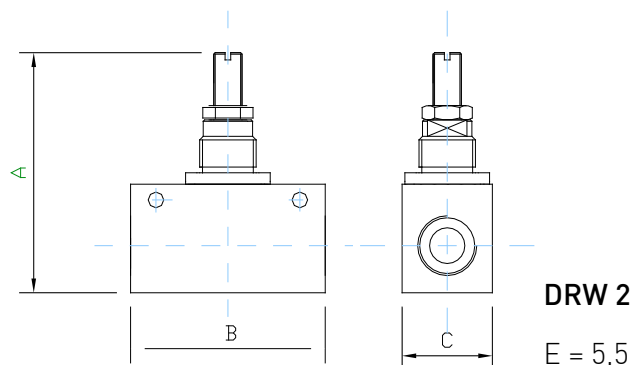
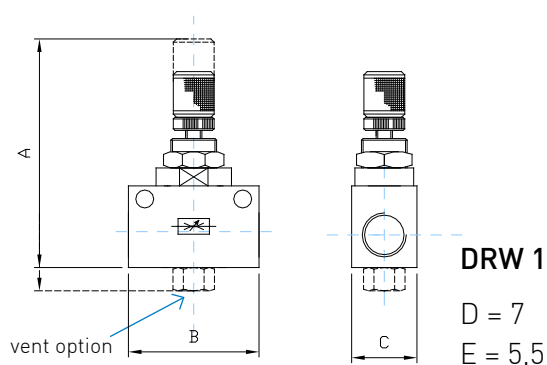
Block and bleed version

Overall dimension

Dimensioni di ingombro

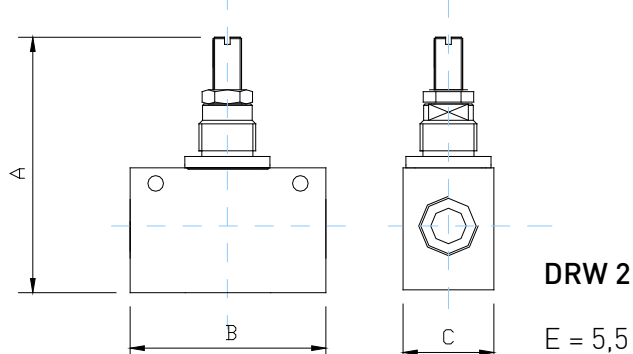
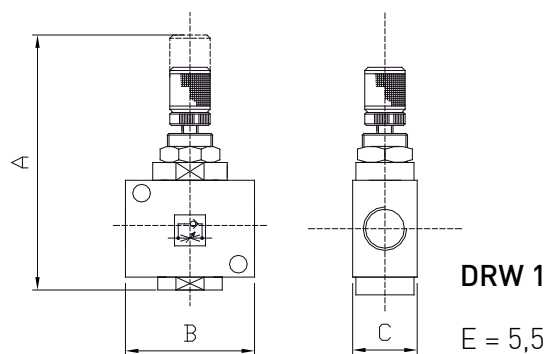
Bi-directional flow

Flusso Bi-direzionale



Bi-directional flow

Flusso Bi-direzionale



MODEL MODELLO	FUNCTION FUNZIONE	THREAD FILETTO	A	B	C	Flow 6 bar Portata a 6 bar	Dn	Dwr
RFB02NSS*	Flow regulator	1/8"npt	70	40	20	2300 NI/m	6,5	1
RFB04NSS*	Flow regulator	1/4"npt	70	40	20	2300 NI/m	6,5	1
RFB06NSS*	Flow regulator	3/8"npt	84	69	32	4500 NI/m	10	2
RFB08NSS*	Flow regulator	1/2"npt	84	69	32	5200 NI/m	10	2
RFB12NSS*	Flow regulator	3/4"npt	84	69	32	5200 NI/m	10	2
RFU02NSS*	Unidirectional flow regulator	1/8"npt	79	40	20	2300 NI/m	6,5	3
RFU04NSS*	Unidirectional flow regulator	1/4"npt	79	40	20	2300 NI/m	6,5	3
RFU06NSS*	Unidirectional flow regulator	3/8"npt	90	49	25	4500 NI/m	10	4
RFU08NSS*	Unidirectional flow regulator	1/2"npt	90	49	25	5200 NI/m	10	4
RFU12NSS*	Unidirectional flow regulator	1/2"npt	90	49	25	5200 NI/m	10	4

* for panel mounting nut add PM to the code

per il dado in AISI316L per montaggio a pannello aggiungere PM al codice

* for block & bleed valve add /V to the code (only for RFB04)

per l'opzione block & bleed aggiungere /V al codice (solo per RFB04)

NB = NBR seals (WT -20°C/+80°C)

FK = FKM seals (WT -25°C/+90°C)

LT = EPDM seals (WT -40°C/+80°C)

FL = FVMQ + EPDM (WT -55°C/+80°C)

Ordering information

Come ordinare

TYPE

LK= Lock-up valve

SIZE

04= 1/4" NPT*

RANGE

3= 0/100 psi

ACCESSORIES

0= None
2= SS bracket kit
4= Customised Tag

LK 04 3 0 00 0 0 SS FK 0 # #

Specials

FILTER ELEMENT

0= None

DIAPHRAGM & SEALS MATERIAL

FK= FKM (WT-25° +90°C)
NB= NBR (WT-20° +80°C)
LT= EPDM (WT-40° +80°C)
FL= Special compound (WT-55°+90°C)

PRESSURE GAUGE

00= None

OPTION

00= None
08= Double lock-up valve
X= Special

MATERIAL

SS= 316-316L Stainless steel
AL= Aluminum alloy
SP= Special

CODE EXAMPLES

LK 04 3 0 00 0 0 SS FK 2

1/4"NPT, SS316L, Single Lock up valve, with FKM diaphragm & seals, Cv0.9, WT -25°C to 90°C, with SS bracket

Valvola di lock-up singola da 1/4"NPT in AISI316L con diaframma e tenute in FKM, Cv 0.9, temperatura di lavoro da -25°C a +90°C, con staffa inox

LK 04 3 0 00 0 8 AL LT 0

1/4"NPT, Epoxy painted aluminium alloy + SS304 or 316L, Double lock up valve with EPDM diaphragm & seals, CV 0.9, WT -40°C to +80°C




Valvola di lock-up doppia da 1/4"NPT in lega di alluminio con verniciatura epossidica + AISI304-316L con diaframma e tenute in EPDM, Cv 0.9, temperatura di lavoro da -40°C a +80°C






BT-CVCD/C15A

Aluminium Alloy 1/4"NPT Lock-up Valves – LK serie

Valvole di Lock-up da 1/4"NPT in lega di alluminio – serie LK

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- Single or double locking possibility
- ATEX 94/9/CE  II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- Possibilità di blocco singolo o doppio
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1/4"NPT
Signal Connection Connessione segnale	1/4"NPT
Max supply pressure Pressione massima di ingresso	10bar
Max signal/output pressure Pressione massima segnale/uscita	7bar
Flow rate (Cv)/Portata	0.9 (1/4")
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Sensibility/Sensibilità	0.1bar
Max Lock up pressure Massima pressione di intervento	7bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

*Special version available for -55°C up to 90°C

It provides reliable shut down & isolation from control devices of the actuator whenever air pressure falls below operating safety point. Rugged and corrosion-resistant – made of aluminum alloy and SS AISI304/316 - Compact small package size – light weight / Permette affidabile intercettazione ed esclusione dell'attuatore quando la pressione dell'aria scende al di sotto del livello minimo operativo. Robusto e resistente alla corrosione – Costruito lega di alluminio ed AISI304/316 - Dimensioni di ingombro ridotte – Leggero

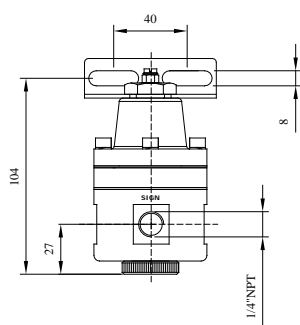
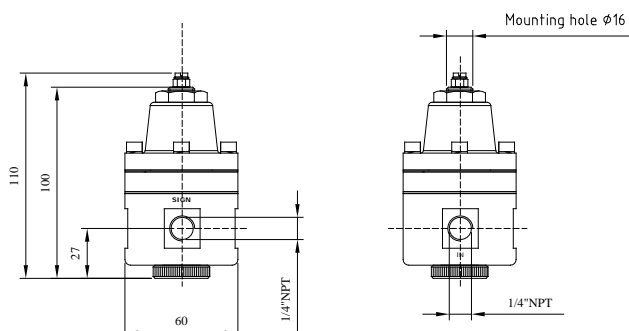
BUILDING MATERIALS	Materiali costruttivi
Body in epoxy painted aluminum alloy or SS316L	Corpo in lega di alluminio con verniciatura epossidica
Adjustment screw, fixing screws in AISI316 stainless steel	Vite di regolazione, viti di fissaggio in acciaio inossidabile AISI31
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Valve spring, Adjustment spring in AISI316 stainless steel	Molle valvola e di regolazione in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

Overall dimension

Dimensioni di ingombro

Single Lock-up valve

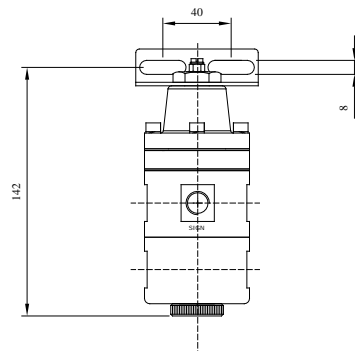
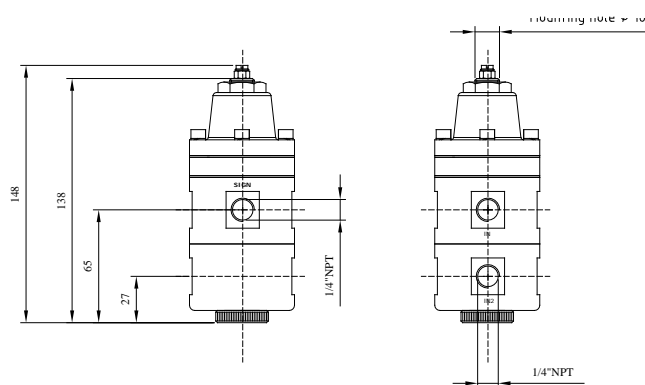
Valvola di Lock-up singola



LK4 A=1/4"

Double Lock-up valve

Valvola di Lock-up doppia



Accessories and repair kit



Accessori e ricambi



Maintenance kit / Kit manutenzione	Items LK -04-K-XAL** [1/4"]
Bracket and lock nut / Staffa e Dado	SQ-FR04

** Refers to seals type:
FK→FKM NB→NBR LT→EPDM FL→Low temperature Compound

SS316L 1/4"NPT Lock-up Valves – LK serie

Valvole di Lock-up da 1/4"NPT in AISI316L – serie LK

- Suitable for automation equipment to onshore, offshore, pharmaceutical, medical and food applications
- Full material traceability
- Excellent stability and repeatability
- Accurate adjustment and high flow capacity
- Single or double locking possibility
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved

- Adatto per automazione in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Completa rintracciabilità dei materiali
- Eccellente stabilità e ripetibilità
- Precise regolazioni ed elevate portate
- Possibilità di blocco singolo o doppio
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Port thread / Connessioni	1/4"NPT
Signal Connection Connessione segnale	1/4"NPT
Max supply pressure Pressione massima di ingresso	10bar
Max signal/output pressure Pressione massima segnale/uscita	7bar
Flow rate (Cv)/Portata	0.9 (1/4")
Working temperature / Temperatura di esercizio	-20°C up to 80°C (NBR); -25°C up to 90°C (FKM); -40°C up to 80°C (EPDM) *
Sensibility/Sensibilità	0.1bar
Max Lock up pressure Massima pressione di intervento	7bar

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

***Special version available for -55°C up to 90°C**

It provides reliable shut down & isolation from control devices of the actuator whenever air pressure falls below operating safety point. Rugged and corrosion-resistant – made in SS316L - Compact small package size – light weight / Permette affidabile intercettazione ed esclusione dell'attuatore quando la pressione dell'aria scende al di sotto del livello minimo operativo. Robusto e resistente alla corrosione – Costruito completamente in AISI316L - Dimensioni di ingombro ridotte – Leggero

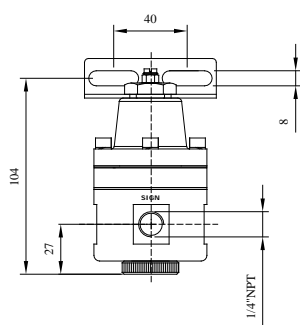
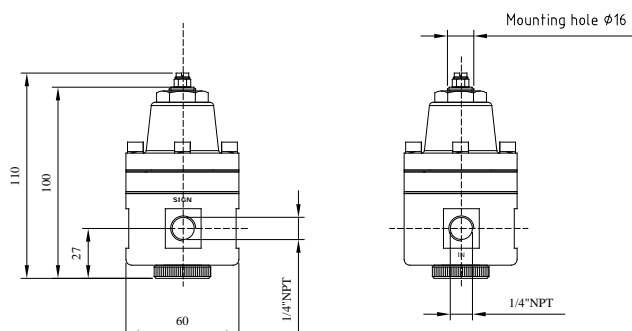
BUILDING MATERIALS	Materiali costruttivi
Body in SS316L	Corpo in AISI316L
Adjustment screw, fixing screws in AISI316 stainless steel	Vite di regolazione, viti di fissaggio in acciaio inossidabile AISI316
Diaphragm and valve assembly in elastomer and AISI316 stainless steel	Assieme diaframma ed assieme valvola in elastomero ed acciaio inossidabile AISI316
Valve spring, Adjustment spring in AISI316 stainless steel	Molle valvola e di regolazione in acciaio inossidabile AISI316
Seals in elastomer	Guarnizioni in elastomero

Overall dimension

Dimensioni di ingombro

Single Lock-up valve

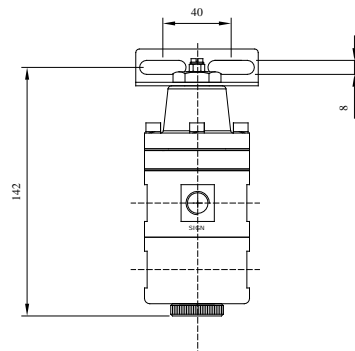
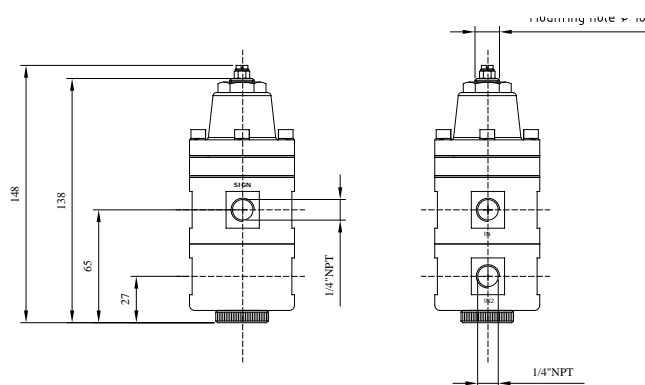
Valvola di Lock-up singola



LK4 A=1/4"

Double Lock-up valve

Valvola di Lock-up doppia



Accessories and repair kit

Accessori e ricambi




Maintenance kit / Kit manutenzione	Items LK -04-K-XSS** [1/4"]
Bracket and lock nut / Staffa e Dado	SQ-FR04

** Refers to seals type:
FK→FKM NB→NBR LT→EPDM FL→Low temperature Compound




SS316L Adjustable overlaid protector - Mod. SCLP30

Limitatore di pressione tarabile in AISI316L - Mod. SCLP30

This unit is intended as protector device to safeguard pressure gauges against the effect of pressures exceeding maximum pressure rating. The overpressure protector consists of a piston valve spring actuated. Under normal pressure condition the spring holds the valve open. When in the system pressure exceeds the set value, the force exerted by the spring is overcome and the piston valve closes. The valve will remain in this position until the pressure value in the system drops approx 20-25% below the set pressure, then the force of the spring will open the valve. The unit must not be used as safety device.

- No leakage when closing
- Adjustable from 0.4 to 400 bar
- Repeatability 1.6%
- Factory setting possible
- ATEX 94/9/CE  II2GD c IICT6 X
-  &  approved



- Tenuta perfetta in chiusura
- Regolabile da 0.4 a 400 bar
- Ripetibilità di intervento 1.6%
- Possibilità di taratura in fabbrica
- ATEX 94/9/CE  II2GD c IICT6 X
- Approvato  ed 

Questo dispositivo è utilizzato come elemento di protezione per salvaguardare i manometri dagli effetti causati dal superamento di un valore massimo di pressione prefissato. Il limitatore di pressione è costituito da una valvola a pistone azionata da una molla. In condizioni di normale funzionamento la molla mantiene in condizione di apertura il pistone. Quando nel sistema la pressione supera il valore di taratura la forza esercitata dalla molla viene superata e la valvola si chiude. La valvola rimane in questa posizione sino a che il valore di pressione nel sistema si riduce di circa il 20-25% al di sotto del valore di taratura, dopo di che la molla riaprirà la valvola.

Il dispositivo di protezione non deve essere considerato elemento di sicurezza.

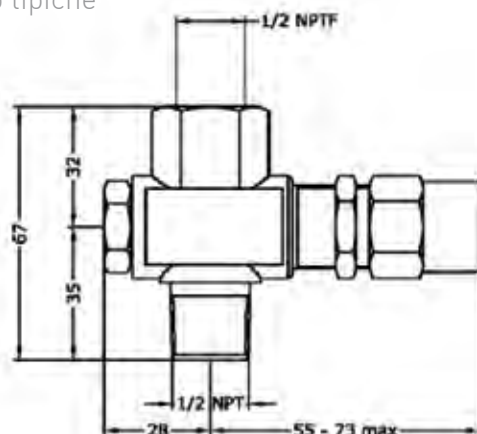
Versioni disponibili

Versioni disponibili

Cracking Pressure ranges Campo di regolazione	Part number Codice	Weight Peso
0.4 – 2.5 bar	SCLP302	0.5 kg
1.5 – 12 bar	SCLP303	0.5 kg
5 – 25 bar	SCLP304	0.5 kg
10 – 40 bar	SCLP305	0.5 kg
25 – 100 bar	SCLP306	0.5 kg
50 – 250 bar	SCLP307	0.5 kg
200 – 400 bar	SCLP308	0.5 kg
Special range on request / Campi speciali a richiesta		

Typical overall dimension

Dimensioni di ingombro tipiche



Standard features

Caratteristiche standard

Port connection Conessioni	1/2" NPT
Body Corpo	AISI316
Wetted parts Parti a contatto con fluido	AISI316L - FPM
O ring O ring	FPM
Spring Molla	DIN 17224
Operating temperature Temperatura di funzionamento	- 20 + 90° C*

* for temperature lower than 5°C please consult our technical office
per temperature inferiori a + 5°C consultare il ns. ufficio tecnico

Application

Applicazioni

- Material of construction allow the unit To be used for corrosive pressure media, even in corrosive ambient
 - Process industry
 - Mechanical engineering and plan construction
 - Onshore and offshore
 - Power station
 - Chemical and petrochemical plant
 - Mining
- I materiali di costruzione del dispositivo consentono l'impiego con fluidi aggressivi in pressione ed anche in ambienti aggressivi
 - Industria di processo
 - Ingegneria meccanica e delle costruzioni
 - Onshore ed offshore
 - Centrali elettriche
 - Impianti chimici e petrolchimici
 - Attività minerarie

Option

Opzioni

On request are available setting range different compared to standard.

As well version suitable for oxygen and made with special material are available.

Su richiesta possono essere realizzate versioni con campi di regolazione diversi dagli standard. Possono inoltre essere realizzate versioni adatte per l'utilizzo con ossigeno o con materiali speciali.

Section C – Section C – Instruments & accessories

Sezione B – Strumenti ed accessori

A range of instruments and accessories designed for specific applications to optimize the installations

- Flow meters for analysis, Variable flow vacuum pumps,
- Silencers and Pressure gauges
- Stainless steel complete construction
- Idoneus for installation in classified areas
- Eventual seals available in FPM, EPDM, specials
- Strong construction
- Easy maintenance
- Full material traceability
- Certifications to EN10204 3,1
- 100% Italian production
- 100% tested
- 24 hours shipment service available
- ATEX and EAC certified range

Una gamma di accessori e strumenti realizzati per applicazioni specifiche e per ottimizzare le installazioni

- Flussimetri per analisi, Eiettori a portata variabile,
- Silenzianti e Manometri
- Costruzione completamente in acciaio inossidabile
- Idonei per installazione in area classificata
- Eventuali tenute in FPM, EPDM, speciali
- Costruzione robusta
- Facilità nelle eventuali manutenzioni
- Completa rintracciabilità di tutti i componenti
- Certificati EN10204 3,1
- Produzione 100% italiana
- Collaudo al 100%
- Spedizioni in 24 ore
- Certificati ATEX e EAC

AISI316L high flow silencers

- Stainless steel 316L complete construction
- 1/8", 1/4", 3/8", 1/2", 3/4", 1" sizes
- Std NPT threads
- Certifications to EN10204 3,1, ATEX, EAC
- 100% Italian production

Silenziatori ad alta portata in AISI316L

- Costruzione completamente in AISI316L
- Taglie da 1/8", 1/4", 3/8", 1/2", 3/4", 1"
- Filettature std NPT
- Certificati EN10204 3,1, ATEX, EAC
- Produzione 100% italiana



Section C – Section C – Instruments & accessories

Sezione B – Strumenti ed accessori



Stainless steel 316L glass tube flow meters

Flussimetri a tubo di vetro in AISI316L

1/8" – AISI316L



Aluminum and SS316L variable flow vacuum pumps

Eiettori a portata regolabile in alluminio ed AISI316L

1/4" – aluminum alloy – lega di alluminio

1/4" – AISI316L



Stainless steel 316L high flow silencers

Silenziatori di scarico ad alta portata in AISI316L

1/8", 1/4", 3/8", 1/2", 3/4", 1"



Bourdon type pressure gauges



Manometri Bourdon

DN 40 and 50mm

SS case/nickel plated brass connection; all Stainless steel

AISI 316L Glass tube flowmeter – FLGSS series

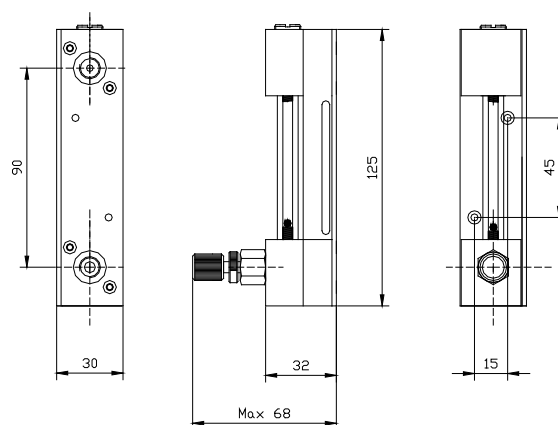
Flussimetro a tubo di vetro in AISI 316L – serie FLGSS

- Instant flowmeters for low flows
- Excellent accuracy
- Rear ports
- Viton® gasket
- Low cost
- ATEX 94/9/CE II2GD c IICT6 X
-  &  approved

- Flussimetro per misurazioni istantanee di basse portate
- Eccellente precisione
- Connessioni posteriori
- Guarnizioni in Viton®
- Basso costo
- ATEX 94/9/CE II2GD c IICT6 X
- Approvato  ed 



Dimension Dimensioni



Port thread - Connessioni	1/8"NPT
Flow range - Portata	0.2-2,5 NL/m air 20°C P=1013mbar
	0.8-10 NL/m air 20°C P=1013mbar
Accuracy - Precisione	± 5% of max scale value
Length of reading scale Lunghezza scala di lettura	63 mm
Distance between fixing centres Interassi connessioni	90 mm
Float - Galleggiante	AISI316
Body material - Materiale corpo	AISI 316L
Metering tube - Tubo di misura	Borosilicate glass (Pyrex)
Linings - Guarnizioni	Viton®
Max Inlet Pressure Pressione massima di ingresso	10 bar
Temperature range - Temperatura	-20° +100°C
Option - Opzioni	Stainless steel brackets

Model Modello	Flow Portata	Monostable alarm sensor Sensore di allarme monostabile
FLGSSV02N02	0.2-2,5 NL/m	No
FLGSSV02N02/H	0.8-10 NL/m	No
FLGSSV02N02/SE	0.2-2,5 NL/m	** ATEX 2128 x Ex II 2 G Eex ia II C T6 8V dc (sensor)
FLGSSV02N02/HSE	0.8-10 NL/m	** ATEX 2128 x Ex II 2 G Eex ia II C T6 8V dc (sensor)



****Available with integral inlet or outlet metering valve - add VI or VO to the code**

Disponibile con regolatore di flusso in ingresso od uscita - aggiungere al codice VI o VO

Aluminum alloy or AISI 316L Variable flow vacuum pump – VP serie

Eiettori a flusso variabile in alluminio od AISI316L – serie VP

The variable performance of the vacuum pump is achieved by increasing the annular gap between the Venturi nozzle and the diffuser. Rotating the diffuser section counter clock-wise will increase the opening, allowing more compressed air to flow through the unit and increasing both the vacuum flow and the vacuum level. The result is variable vacuum pump that can be adjusted to meet an application's exact requirements.

- ATEX 94/9/CE  II2GD c IICT6 X and  approved

Le prestazioni della pompa per vuoto sono ottenute aumentando lo spazio tra l'ugello Venturi ed il diffusore. Ruotando la sezione del diffusore in senso orario l'apertura aumenta permettendo il passaggio di una quantità maggiore di aria compressa attraverso l'unità incrementando il flusso di aspirazione ed il livello di vuoto. Il risultato è una pompa per il vuoto a flusso variabile che può essere regolata per soddisfare la più esigente richiesta.

- ATEX 94/9/CE  II2GD c IICT6 X e approvato 



Performance data*

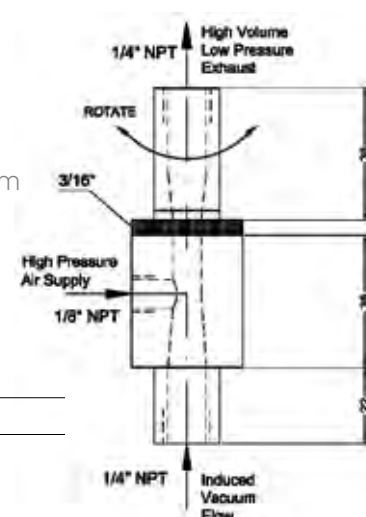
Prestazioni*

- Vacuum level : -15" HG
- Max vacuum flow : 10 scfm
- Air consumption : 6scfm
- Livello di vuoto : -15" HG
- Flusso massimo di vuoto : 10 scfm
- Consumo d'aria: 6scfm

*@80psi pressure supply

* a 5.5 bar di alimentazione

SS316L version Model ST-VP0204N4P	ST-VP0204N4P
Aluminum version Mod.	ST-VP0204N4PAL



- High performance for vacuum flow rate and vacuum level .

Ottime prestazioni di portata e di livello di vuoto

- Non-clogging, straight -through design .

La progettazione a passaggio diritto impedisce ogni possibilità di intasamento

- Low air consumption ratio

Bassi consumi di aria

- Air velocity and flow are field adjustable to provide a wide range of conditions to meet individual application requirements .

Possibilità di regolare la velocità e la portata dell'aria per fornire un'ampia versatilità di funzionamento e soddisfare le più varie esigenze.

- Can be used to pick and place concrete block or packaging materials that are coated with fine powder .

Può essere usato per realizzare l'effetto ventosa nell'automazione industriale

- Typical applications : remove liquid/solid mixture s in air driven vacuum cleaners from sump areas, blow drying, fume evacuation, cooling and improved utilisation of compressed air.

Tipiche applicazioni : rimozione di composti solido/liquido in pompe di aspirazione per pozzi di estrazione, essiccazione, aspirazione fumi, raffreddamento e migliore utilizzo dell'aria compressa .

AISI 316L Variable flow vacuum pump

Eiettore a flusso variabile in AISI316L

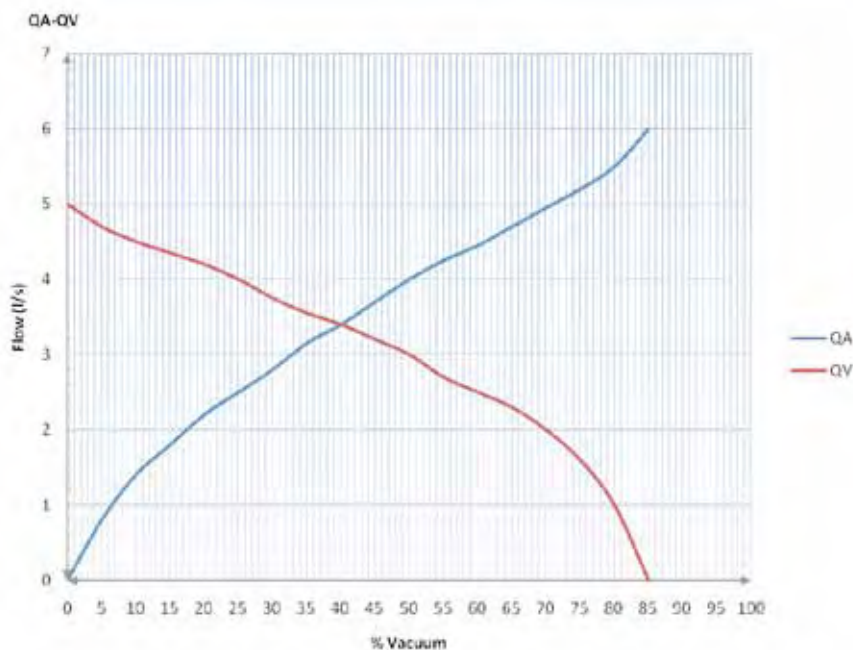
Typical performance Characteristics

Caratteristiche tipiche

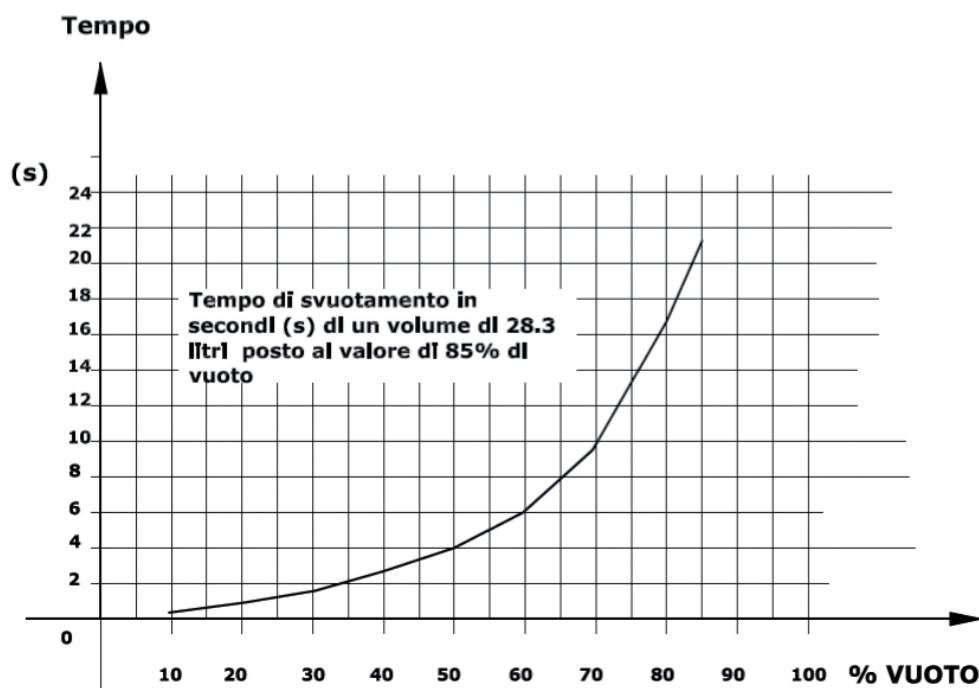
Flow characteristics

Caratteristiche di portata

PORTATA





Air Consumption QA (l/s) vs Vacuum level (%) @ 5.5 bar





Evacuation time (seconds) based on 28.3 litres volume @ 85% vacuum level

Stainless steel 316L Silencers - SLHF/SLVP series

Silenziatori di scarico ad alta portata ed anti-insetto in SS316L - Serie SLHF/SLVP

- Suitable to onshore, offshore, pharmaceutical, medical and food applications
- Full stainless steel 316 construction
- Suitable for corrosive environments
- NPT standard threads
- Quick delivery
- ATEX 94/9/CE  II2GD c IICT6 X and  Ex approved

- Adatto in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Costruzione completamente in acciaio inossidabile AISI316
- Idonei per ambienti corrosivi
- Filetti NPT standard
- Rapida consegna
- ATEX 94/9/CE  II2GD c IICT6 X e approvato  Ex



Media / Fluido	Compressed air, inert gases, sweet and sour gases
Connection / Conessioni	1/8", 1/4", 1/2", 3/4", 1" NPT
Working pressure Pressione operativa	0...12bar
Operating Temperature Temperatura di esercizio	-55°C up to 150°C
Rumor reduction Riduzione del rumore	70%
Threads type / Tipi di filetto	NPT male std, BSP (on request)
Process Temperature Temperatura di processo	400°C max

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Fig.1 serie SLVP

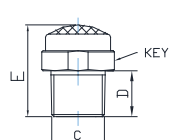


Fig.2

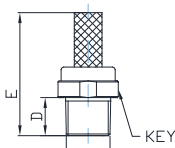
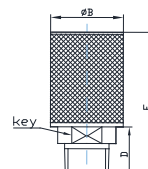


Fig.3





Models Modelli	Size-C Taglia	Thread Filetto	E (mm)	D (mm)	B (mm)	Key Chiave	Drawing Disegno di riferimento
SLHF02NSS	1/8"	NPT male	Tbc	Tbc	Tbc	Tbc	-
SLHF04NSS	1/4"	NPT male	35,5	11	Tbc	17	Fig 2
SLHF06NSS	3/8"	NPT male	Tbc	Tbc	Tbc	Tbc	Tbc
SLHF08NSS	1/2"	NPT male	54	18,5	Tbc	24	Fig 2
SLHF12NSS	3/4"	NPT male	65	20	58	36	Fig 3
SLHF16NSS	1"	NPT male	69	24	58	36	Fig 3
SLVP04NSS	1/4"	NPT male	22	11	Tbc	17	Fig 1

Building Materials	Materiali costruttivi
Body in 316/316L bar stock stainless steel	Corpo in acciaio inossidabile da barra AISI316/316L
Cup in 316/316L bar stock stainless steel	Fondello in acciaio inossidabile AISI316/316L
Filter in sinterized 316 stainless steel wire	Filtro in filo di acciaio inossidabile AISI316 sinterizzato
Nuts and screws in A2 stainless steel	Viti e dadi in acciaio inossidabile A2

SS 304 case, nickel plated connection Bourdon pressure gauges – MBSN series

Manometri Bourdon cassa inox, connessione nichelata – Serie MBSN

- Suitable to onshore, pharmaceutical, chemical, medical and industrial applications
- Stainless steel case construction
- Suitable for gas or liquids not corrosive to the copper alloy
- Dry or liquid filled versions
- EN837
- ATEX 94/9/CE  II2GD c IICT6 X
- Adatto in applicazioni chimiche, farmaceutiche, medicali ed industriali
- Costruzione con cassa in acciaio inossidabile
- Idonei per gas o liquidi compatibili con le leghe di rame
- Versioni a secco o con riempimento
- EN837
- ATEX 94/9/CE  II2GD c IICT6 X

Media / Fluido	Compressed air, inert gases, sweet and sour gases, liquids
Gauge Connection / Connessione manometro	1/8"NPT backside
Working range Range operativo	75% of full scale value
Overpressure Sovrappressione	25%
Accuracy / Precisione	2,5%
Operating Temperature Temperatura di esercizio	-25°C up to 65°C
Process Temperature Temperatura di processo	400°C max
Weather protection Protezione ambientale	IP65



Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Models Modelli	Diameter Diametro	Filling	Scale Scala	Thread Filetto	Stocked Gestito a magazzino	Notes Note
MBSNP4S2PN02	40mm	No	0/1BAR	1/8"NPT backside	No	
MBSNP4S2PN3S	40mm	No	0/2BAR+psi+kpa	1/8"NPT backside	Yes	
MBSNP4S2PN04	40mm	No	0/2,5BAR+psi	1/8"NPT backside	No	
MBSNP4S2PN05	40mm	No	0/4BAR+psi+kpa	1/8"NPT backside	Yes	
MBSNP4S2PN6S	40mm	No	0/7BAR+psi+kpa	1/8"NPT backside	No	
MBSNP4S2PN07	40mm	No	0/10BAR+psi+kpa	1/8"NPT backside	Yes	
MBSNP5S2PN04	50mm	No	0/2,5BAR+psi	1/8"NPT backside	No	
MBSNP5S2PN05	50mm	No	0/4BAR+psi	1/8"NPT backside	No	
MBSNP5S2PN6S	50mm	No	0/7BAR+psi	1/8"NPT backside	No	
MBSNP5S2PN07	50mm	No	0/10BAR+psi+kpa	1/8"NPT backside	Yes	
MBSNP4G2PN07	40mm	Yes glycerine	0/10BAR+psi+kpa	1/8"NPT backside	Yes	brass connection
MBSNP5G2PN07	50mm	Yes glycerine	0/10BAR+psi+kpa	1/8"NPT backside	Yes	brass connection
MBSNP4S2PN100	40mm	No	0/7kg/cm2+psi	1/8"NPT backside	No	
MBSNP4S2PN92	40mm	No	0/10kg/cm2	1/8"NPT backside	No	

Building Materials	Materiali costruttivi
Threaded connection in nickel plated brass	Connessione filettata in ottone nichelato
Bourdon tube C type in copper alloy	Molla Bourdon di tipo c in lega di rame
Movement in copper alloy OT59	Movimento in lega di rame OT59
Case in AISI304/304L stainless steel	Cassa in acciaio inossidabile AISI304/304L
Case ring in AISI304/304L stainless steel	Anello della cassa in acciaio inossidabile AISI304/304L
Pointer in black aluminum	Lancetta in alluminio nero
Dial in painted aluminum	Quadrante in alluminio verniciato

All stainless steel Bourdon type standard pressure gauges – MBSS series

Manometri Bourdon standard tutto inox – Serie MBSS

- Suitable to onshore, pharmaceutical, medical and food applications
- Full stainless steel construction
- Suitable for aggressive fluids and corrosive environments
- Dry or liquid filled versions
- EN837
- ATEX 94/9/CE II2GD c IICT6 X
- Adatto in applicazioni marine, petrolchimiche, farmaceutiche, medicali e alimentari
- Costruzione completamente in acciaio inossidabile
- Idonei per fluidi aggressivi ed ambienti corrosivi
- Versioni a secco o con riempimento
- EN837
- ATEX 94/9/CE II2GD c IICT6 X

Media / Fluido	Compressed air, inert gases, sweet and sour gases, liquids
Gauge Connection / Connessione manometro	1/8"NPT backside
Working range Range operativo	75% of full scale value
Overpressure Sovrappressione	25%
Accuracy / Precisione	2.5%
Operating Temperature Temperatura di esercizio	-30°C up to 150°C
Process Temperature Temperatura di processo	400°C max
Weather protection Protezione ambientale	IP65



Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Models Modelli	Diameter Diametro	Filling	Scale Scala	Thread Filetto	Stocked Gestito a magazzino	Notes Note
MBSSP4S2PN02	40mm	No	0/1BAR	1/8"NPT backside	No	
MBSSP4S2PN3S	40mm	No	0/2BAR+psi+kpa	1/8"NPT backside	Yes	
MBSSP4S2PN04	40mm	No	0/2,5BAR+psi	1/8"NPT backside	No	
MBSSP4S2PN05	40mm	No	0/4BAR+psi+kpa	1/8"NPT backside	Yes	
MBSSP4S2PN6S	40mm	No	0/7BAR+psi+kpa	1/8"NPT backside	No	
MBSSP4S2PN07	40mm	No	0/10BAR+psi+kpa	1/8"NPT backside	Yes	
MBSSP5S2PN04	50mm	No	0/2,5BAR+psi	1/8"NPT backside	No	
MBSSP5S2PN05	50mm	No	0/4BAR+psi	1/8"NPT backside	No	
MBSSP5S2PN6S	50mm	No	0/7BAR+psi	1/8"NPT backside	No	
MBSSP5S2PN07	50mm	No	0/10BAR+psi+kpa	1/8"NPT backside	Yes	
MBSSP4G2PN07	40mm	Yes glycerine	0/10BAR+psi+kpa	1/8"NPT backside	Yes	
MBSSP5G2PN07	50mm	Yes glycerine	0/10BAR+psi+kpa	1/8"NPT backside	Yes	
MBSSP4S2PN100	40mm	No	0/7kg/cm2+psi	1/8"NPT backside	No	
MBSSP4S2PN92	40mm	No	0/10kg/cm2	1/8"NPT backside	No	

Building Materials	Materiali costruttivi
Threaded connection in AISI316/316L stainless steel	Connessione filettata in acciaio inossidabile AISI316/316L
Bourdon tube C type in AISI316/16L stainless steel	Molla Bourdon di tipo c in acciaio inossidabile AISI316/316L
Movement in AISI316/316L stainless steel	Movimento acciaio inossidabile AISI316/316L
Case in AISI304/304L stainless steel	Cassa in acciaio inossidabile AISI304/304L
Case ring in AISI304/304L stainless steel	Anello della cassa in acciaio inossidabile AISI304/304L
Pointer in black aluminum	Lancetta in alluminio nero
Dial in painted aluminum	Quadrante in alluminio verniciato



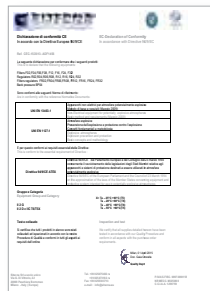
TECHNICAL INFORMATION



Technical information Informazioni tecniche



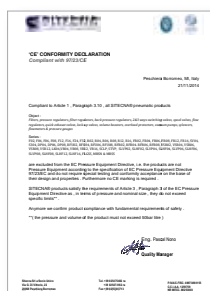
ISO 9001 certificate
Certificato ISO 9001



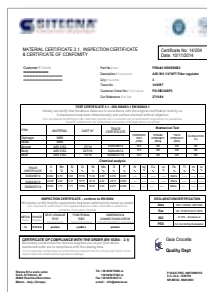
94/9/CE air equipments declaration
Dichiarazione 94/9/CE trattamento aria



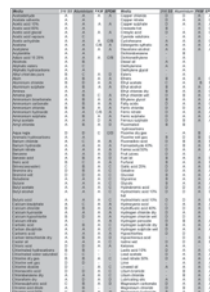
EAC certification
Certificazione EAC



PED declaration
Dichiarazione PED



**EN10204/3.1 & Test
certificate prototype**
Prototipo certificato EN10204/3.1
e test di collaudo



**Materials compatibility &
temperature chart**
Tabella compatibilità e temperature
dei materiali



Certificato di conformità
Certificate of conformity
N. 579 - Revisione 5

Il Sistema di Gestione per la Qualità di <i>The Quality Management System of</i>	SITECNA Srl a Socio Unico Via G. Di Vittorio 22 20068 Peschiera Borromeo MI
è conforme alla norma <i>is in compliance with the standard</i>	UNI EN ISO 9001:2008 ISO 9001:2008
per il seguente campo di applicazione <i>for the following field of application</i>	Commercializzazione, sviluppo, progettazione e assemblaggio di apparecchiature e sistemi pneumatici, idraulici, elettromeccanici, elettrici ed elettronici (IAF 29¹/18) <i>Commercialisation, development, design and assembly of</i> <i>pneumatic, hydraulic, electromechanical, electrical and</i> <i>electronic systems and equipment (IAF 29¹/18)</i>
Siti <i>Sites</i>	Peschiera Borromeo MI

La validità del Certificato è soggetta al rispetto delle condizioni stabilite nel Regolamento per la certificazione di ANCIS Srl
The validity of the Certificate is subject to the respect for the conditions established in the ANCIS Srl Regulations

La validità del Certificato è subordinata a sorveglianza periodica ed al riesame completo con periodicità triennale
The validity of the Certificate is subordinate to periodic surveillance and to a complete reassessment at 3-year intervals

Riferirsi al Manuale della Qualità per i dettagli delle esclusioni ai requisiti della Norma ISO 9001:2008
Please refer to the Quality Manual for the details of the requirement exclusions to the ISO 9001:2008 Regulation

16 gennaio 2012
Prima emissione
First issue

10 novembre 2014
Emissione corrente
Current issue

15 gennaio 2018
Scadenza
Expiry date


Amministratore Unico

¹ Accrediamento per "Commercio all'ingrosso, al dettaglio; riparazione autoveicoli e motociclette"

ANCIS Srl

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ANCIS Srl
Via G. Di Vittorio 22
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Tel. 02 0062051
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E-mail: segreteria@ancis.it
ANCIS Srl è accreditata per i settori di competenza:
di N.A. 129 (sistemi di automazione)
di N.A. 129 (sistemi di automazione)
di N.A. 129 (sistemi di automazione)
di N.A. 129 (sistemi di automazione)
di N.A. 129 (sistemi di automazione)


Dichiarazione di conformità CE
 In accordo con la Direttiva Europea 94/9/CE

EC-Declaration of Conformity
 In accordance with Directive 94/9/EC

Ref. CEC-15/2013- ADF1456

La seguente dichiarazione per confermare che i seguenti prodotti:
 This is to declare that the following equipments:

Filters F02,F04,F06,F08, F12, F16, F24, F32
 Regulators R02,R04,R06,R08, R12, R16, R24, R32
 Filters regulators FR02,FR04,FR06,FR08, FR12, FR16, FR24, FR32
 Back pressure BP04

Sono conformi alle seguenti Norme di riferimento:
 Are in conformity with the reference Normative Documents:

UNI EN 13463-1	Apparecchi non elettrici per atmosfere potenzialmente esplosive Metodo di base e requisiti (Maggio 2009)
	Non-Electrical equipment for potentially explosive atmospheres Basic method and requirements (Maggio 2009)
UNI EN 1127-1	Atmosfere esplosive Prevenzione dell'esplosione e protezione contro l'esplosione Concetti fondamentali e metodologia
	Explosive atmospheres Explosion prevention and protection Basic concepts and methodology

E per questo conformi ai requisiti essenziali della Direttiva:
 This is conform to the essential requirement of Directive :

Direttiva 94/9/CE ATEX	Direttiva 94/9/CE del Parlamento Europeo e del Consiglio del 23 marzo 1994 concernente il ravvicinamento delle legislazioni degli Stati Membri relative agli apparecchi e sistemi di protezione destinati a essere utilizzati in atmosfera potenzialmente esplosiva
	Directive 94/9/EC of the European Parliament and the Council of 23 March 1994 on the approximation of the laws of the Member States concerning equipment and protective system intended for use in potentially explosive atmospheres

Gruppo e Categoria
 Equipment Group and Category

II 2 G
 II 2 D c IIC T6/T5X

X= Ta - 25°C +90°C (T5)
 Ta - 20°C +80°C (T6)
 Ta - 40°C +80°C(T6)
 Ta - 55°C +90°C(T5)

Test e collaudo

Si certifica che tutti i prodotti in elenco sono stati
 collaudati ed ispezionati in accordo con le nostre
 Procedure di Qualità e conformi in tutti gli aspetti ai
 requisiti dell'ordine

Inspection and test

We certify that all supplies detailed hereon have been
 tested in accordance with our Quality Procedure and
 conform in all aspects with the purchase order
 requirements.

 Milan, 01 April 2015
 Doc. Gaia Crocella
 Quality Dept

Sitecna Srl a socio unico
 Via G. Di Vittorio, 22
 20068 Peschiera Borromeo
 Milano - Italy (Europe)

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 +39 025473182 ra
 Fax +39 0255303713
 e-mail : info@sitecna.eu

P.IVA/C.FISC. 08973090155
 NR MECC. MI253803
 C.C.I.A.A. 1259759



'CE' CONFORMITY DECLARATION
Compliant with 97/23/CE

Peschiera Borromeo, MI, Italy

21/11/2014

Compliant to Article 1 , Paragraph 3.10 , all SITECNA® pneumatic products

Object :

Filters, pressure regulators, filter regulators, back pressure regulators, 2&3 ways switching valves, spool valves, flow regulators, quick exhaust valves, lock-up valves, volume boosters, overload protectors, vacuum pumps, sylencers, flowmeters & pressure gauges

Series :

F02, F04, F06, F08, F12, F16, F24, F32, R02, R04, R06, R08, R12, R16, FR02, FR04, FR06, FR08, FR12, FR16, SV04, S304, DP04, DP06, DP08, RFU02, RFU04, RFU06, RFU08, RFB02, RFB04, RFB06, RFB08, VSR02, VSR04, VSR06, VSR08, VSR12, LK04, VB04, VB08, VB12, VB16, SCLP, STVP, SLVP02, SLHF02, SLVP04, SLHF04, SLVP06, SLHF06, SLVP08, SLHF08, SLHF12, SLHF16, FLGSS, MBSN & MBSS

are excluded from the EC Pressure Equipment Directive, i.e. the products are not Pressure Equipment according to the specification of EC Pressure Equipment Directive 97/23/EC and do not require special testing and conformity acceptance on the base of their design and properties . Furthermore no CE marking is required .

SITECNA® products satisfy the requirements of Article 3 , Paragraph 3 of the EC Pressure Equipment Directive as , in terms of pressure and nominal size , they do not exceed specific limits** .

Any more we confirm product compliance with fundamental requirements of safety .

**(the pressure and volume of the product must not exceed 50bar litre)

Eng. Pascal Nono



Quality Manager

Sitecna Srl a Socio Unico
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20068 Peschiera Borromeo
Milano - Italy (Europe)

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P.IVA/C.FISC. 08973090155
C.C.I.A.A. 1259759
NR MECC. MI253803


**MATERIAL CERTIFICATE 3.1, INSPECTION CERTIFICATE
& CERTIFICATE OF CONFORMITY**
Certificate No: 14/204
Date: 10/11/2014

Customer / Cliente

 xxxxxxxxxxxxxxxx
 xxxxxxxxxxxxxxxxxxxxxxxx
 xxxxxxxxxxxxxxxxxxxxxxxx

Part No / Item:

FR04411S00SSNB2

Description / Descrizione:

AISI 316 1/4"NPT Filter regulator

Q.ty / Quantità:

3

Trace No:

14/0517

Customer Order No / Ord Cliente:

780.14

Our Reference / Ns Ref:

2710/14
TEST CERTIFICATE 3.1 - DIN 50049/3.1 EN10204/3.1

 Hereby we certify that the above datas are in accordance with the original certification hold by us
 Components have been dimensionally and surface checked without objection

 Con la presente certifichiamo che i dati sotto riportati sono in accordo con le certificazioni originali da noi possedute.
 Superfici e dimensioni dei componenti sono state controllate senza riscontrare

ITEM	MATERIAL		CAST N°		TRACE CERTIFICATE		Mechanical Test									
							HARDNESS TEST (HRB)	TENSILE STRENGTH (MPa)	YIELD STRENGTH (MPa)	ELONGATION (%)						
Diphragm	NBR															
Seals	NBR															
Bonnet	AISI 316L		27/14		SS/04/08/14		78.5		NR		NR		NR		NR	
Body	AISI 316L		247/14		SS/04/45/14		75.5		NR		NR		NR		NR	
Bowl	AISI 316L		15/14		SS/04/07/14		76.0		NR		NR		NR		NR	
Chemical analysis																
TRACE CERTIFICATE	C %	Mn %	Si %	Cr %	Ni %	Mo %	S %	P %	N %	Mg %	Cu %	Co %	Fe %	Ti %	Pb %	Sn %
SS/04/08/14	0.022	0.79	1.62	17.15	11.04	2.68	0.019	0.035	-----	-----	-----	-----	Matrix	-----	-----	-----
SS/04/45/14	0.018	0.92	1.17	17.17	10.19	2.64	0.011	0.023	-----	-----	-----	-----	Matrix	-----	-----	-----
SS/04/07/14	0.024	1.13	1.71	17.09	10.27	2.50	0.015	0.036	-----	-----	-----	-----	Matrix	-----	-----	-----

INSPECTION CERTIFICATE – conform to EN10204

 We hereby certify that the equipments has been satisfactorily tested as stated
 Con la presente certifichiamo che l'apparecchiatura è stata collaudata e soddisfa le
 condizioni di prova qui riportate

MEDIA	RANGE	SEAT LEAKAGE TEST	FUNCTIONAL TEST	DIMENSION & CONNECTIONS CHECK
Fluido	Regolaz.	Prova di tenuta	Test funzionamento	Controllo dimensioni e connessioni
Air	0/10 bar	positive	positive	positive

DECLARATION/CERTIFICATION

Atex	CEC-13/2002- ADF1028
Eac	KZ. 1510019.22.01.0072
ISO	N. 579 – Revisione 4
PED	Ce' Conformity Declaration

CERTIFICATE OF COMPLIANCE WITH THE ORDER (EN 10204 - 2.1)

 We hereby confirm that the devices supplied you as per your above
 mentioned order are in compliance with the catalog data.

 Con la presente confermiamo la conformità dei materiali fornitivi a fronte del Vostro ordine
 sopracitato alle caratteristiche riportate a catalogo.
**Quality Dept**
 Sitecna Srl a socio unico
 Via G. Di Vittorio, 22
 20068 Peschiera Borromeo
 Milano - Italy (Europe)

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Corrosion resistance chart & temperature informations

Tabelle di compatibilità materiali e dati sulle temperature

The information given in the following tables , is a general guide to the chemical resistance of the materials used by Sitecna® .

Le seguenti tabelle danno delle informazioni generali relative alla resistenza chimica dei materiali utilizzati da Sitecna® .

It is worth mentioning that many factors ie temperature, concentration, pressure and degree of contamination etc. may vary and so effect certain ratings in the table.

and degree of contamination etc. may vary and so effect certain ratings in the table.

E' corretto precisare che le informazioni possono variare in funzione di molti fattori come la temperatura, la concentrazione, ed il grado di contaminazione.

We therefore advise that the ratings given be used as a guide only for your choice of materials and not as the absolute answer .

Raccomandiamo pertanto di utilizzare le seguenti tabelle come una guida per la selezione di materiali idonei alla propria applicazione, senza valutare i dati forniti come valori assoluti .

Approximate service temperature range for used basic polymer types :

Temperature indicative di lavoro per i polimeri base utilizzati :

Nitrile (General Service) -34°C to 121°C (-30°F to 250°F)*

Ethylene Propylene (EPDM) -57°C to 121°C (-70°F to 250°F)*

Fluorocarbon -26°C to 205°C (-15°F to 400°F)*

Hifluor (FKM) -26°C to 205°C (-15°F to 400°F)*

Polyurethane -40°C to 82°C (-40°F to 180°F)*

Fluorosilicone -73°C to 177°C (-100°F to 350°F)*

Silicone -54°C to 232°C (-65°F to 450°F)*

A = Excell ent / Eccellente

B =Good/Buona

C=Fair,probably unsuitable /Scarsa,probabilmente non idoneo

D= Not recommended /Non raccomandato

- = No informations / Nessuna informazione

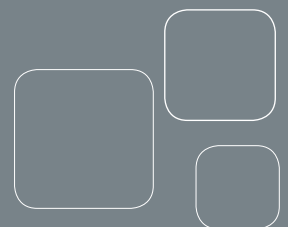
Media	316 SS	Aluminium	FKM	EPDM	Media	316 SS	Aluminium	FKM	EPDM
Acetaldehyde	A	A	A	A	Copper chloride	D	D	A	A
Acetate solvents	A	A			Copper nitrate	D	A	A	C
Acetic acid 10%	A	A	A	A	Copper sulphate	D	A	A	A
Acetic acid 60%	A	A			Creosote hot	B	-	A	C
Acetic acid glacial	A	A	A	A	Cresylic acid	D	A	A	C
Acetic acid vapours	A	C			Cyanide solutions	-	A	A	-
Acetic anhydride	A	A	A	C/B	Cyclohexane	A	A	A	C
Acetone	A	A	C/B	A	Detergents sythetic	A	A	A	A
Acetylene	A	A	A	A	Diacetone alcohol	A	A	A	A
Acrylonitrile	A	A			Dichlorobenzene	-	B		
Adipic acid 15-25%	A	A	A	C/B	Dichloroethylene	-	A		
Alcohols	A	B			Diesel oil	A	A		
Aliphatic esters	A	C			Diethylamine	A	A		
Aliphatic hydrocarbons	A	A			Diethylene glycol	-	A		
Alkyl chlorides pure	B	C	A	D	Esters	-	A		
Alum	A	B	A	A	Ethers	B	A	A	C
Aluminium chloride	B	D	A	A	Ethyl acetate	C	A	A	B
Aluminium sulphate	A	B	A	A	Ethyl alcohol	B	A	A	A
Amines	A	A			Ethyl chloride dry	B	A	A	C
Amonia gas	A	B	C	A	Ethyl chloride wet	D	B	A	C
Ammonium bicarbonate	A	B	A	A	Ethylene glycol	B	A	A	A
Ammonium carbonate	A	B	A	A	Fatty acids	D	A	A	C
Ammonium chloride	B	B	A	A	Ferric chloride	D	D	A	A
Ammonium hydroxide	A	A	C/B	A	Ferric nitrate	D	A	A	A
Ammonium sulphate	A	B	A	A	Ferric sulphate	D	A	A	A
Amyl acetate	A	A	D	A	Ferrous sulphate	D	B	A	A
Amyl chloride	A	B	A	D	Fluorinated hydrocarbons	B	B		
Aqua regia	D	D	C	C/D	Fluorine dry gas	-	A	B	-
Aromatic hydrocarbons	A	A			Fluorine wet gas	B	D	B	D
Barium chloride	A	C	A	A	Fluorosilicic acid	D	B	A	B
Barium hydroxide	A	A	A	A	Formaldehyde 40%	C	B	A	A
Barium nitrate	A	A	A	A	Formic acid 50%	D	A	A	B
Benzene	A	A	A	D	Fruit juices	D	A	-	-
Benzoic acid	A	B	A	D	Fuel oil	B	A	A	D
Boric acid	B	C	A	A	Furfural	B	A	A	B
Brines (seawater)	C	B	A	C	Gallic acid 25%	D	A	A	B
Bromine dry	D	B	A	C	Gelatine	D	A	A	A
Bromine wet	D	D	A	C	Glucose	B	A	A	A
Butadiene	A	A	A	C	Glycerine	B	A	A	A
Butane	A	A	A	C	Glycols	B	A	A	A
Butyl acetate	A	A	A	C	Hydrobromic acid	D	D	A	A
Butyl alcohol	A	A	A	C	Hydrochloric acid 10% hot	D	D	A	D
Butyric acid	A	A	A	C	Hydrochloric acid 10%	D	D	A	B
Calcium bisulphate	A	C	A	A	Hydrocyanic acid	C	A	A	A
Calcium chloride	B	B	A	A	Hydrofluoric acid 40%	D	D	A	D
Calcium hydroxide	A	A	A	A	Hydrogen chloride dry	D	A	A	-
Calcium hypochlorite	B	D	A	A	Hydrogen chloride wet	D	D	A	-
Calcium nitrate	A	-	A	A	Hydrogen peroxide	D	B	A	A
Carbolic acid	A	B	A	C	Hydrogen sulphide dry	B	A	A	A
Carbon disulphide	A	A	A	C	Hydrogen sulphide wet	D	A	A	A
Carbonic acid	A	A	A	A	Hypochlorites	D	D	-	-
Carbon tetrachloride dry	A	B	A	D	Hypochlorous acid	D	D	A	B
Castor oil	A	A	A	C	Iodine wet	D	D	A	B
Chloric acid	D	D	A	A	Ketones	A	A		-
Chlorinated hydrocarbons	B	B	-	-	Lactic acid 10%	D	A	A	C
Chlorinated water saturated	C	C	-	-	Lead acetate	D	A	A	A
Chlorine dry gas	B	B	A	C	Lead nitrate 50%	D	A	A	A
Chlorine wet gas	D	D	-	-	Lime	-	A	A	A
Chlorine dioxide	D	-	A	C	Linseed oil	A	A	A	C
Chloroacetic acid	D	D	A	C	Lithium bromide	-	B	A	A
Chlorobenzene dry	A	A	A	C	Lithium chloride	-	B	A	A
Chloroform dry	A	D	A	D	Lubricating oils	A	A	A	D
Chlorosulphonic acid	C	B	A	D	Magnesium carbonate	D	A	A	A
Chromic acid dilute	A	B	-	-	Magnesium chloride	D	B	A	A
Chromic acid 50%	C	D	A	D	Magnesium hydroxide	B	A	A	A
Citric acid	A	C	A	A	Magnesium nitrate	D	A	A	A

Media	316 SS	Aluminium	FKM	EPDM	Media	316 SS	Aluminium	FKM	EPDM
Magnesium sulphate	A	B	A	A	Sea water	B	A	A	A
Maleic acid	B	C	A	D	Siliconers	A	A	-	-
Malic acid	A	A	A	B	Silver bromide	D	D	A	A
Mercuric chloride	C	D	A	A	Silver chloride	D	D	A	A
Mercuric cyanide 5%	A	D	A	A	Silver nitrate	B	D	A	A
Mercuric iodine	-	D	A	A	Soaps	A	C	A	A
Mercuric nitrate 5%	A	D	A	A	Sodium acetate	A	B	A	A
Mercurous nitrate 5%	A	D	A	A	Sodium aluminate	B	D	A	A
Mercury	A	D	A	A	Sodium bicarbonate	A	A	A	A
Methyl alcohol	A	B	A	A	Sodium bisulphate	B	C	A	A
Methyl chloride dry	B	D	A	C	Sodium bisulphite	A	C	A	A
Methyl chloride wet	A	C	A	C	Sodium borate hot	A	C	A	A
Methyl ethyl ketone	A	A	A/B	A	Sodium bromide	B	B	A	A
Methyl isobutyl ketone	A	A	A	C	Sodium carbonate	A	D	A	A
Methyl methacrylate	A	-	A	D	Sodium chloride	B	B	A	A
Milk	A	A	A	A	Sodium chromate	A	A	A	A
Mixed acids nitric & sulphuric	B	B	A	A	Sodium cyanide	A	B	A	A
Molasses	A	B	-	-	Sodium dichromate	B	A	-	-
Naphtha	A	A	A	D	Sodium hydroxide 30%	A	D	A	-
Naphthalene	B	A	A	D	Sodium hypochlorite	C	C	A	A
Nickel chloride	C	D	A	A	Sodium metaphosphate	A	A	A	A
Nickel nitrate 5 10%	A	D	A	A	Sodium metasilicate	A	A	A	A
Nickel sulphate	A	D	A	A	Sodium nitrate	A	A	A	A
Nitric acid 25%	A	D	A	B	Sodium perborate	A	A	A	A
Nitric acid 70%	A	D	B	D	Sodium peroxide 10%	A	D	A	A
Nitric acid 100%	A	A	B	D	Sodium phosph. tribasic	B	D	A	A
Nitrobenzene	A	A	A	A	Sodium sulphate	A	B	A	A
Nonylphenol	A	-	-	-	Sodium sulphide	B	D	A	A
Oils essential	A	B	-	-	Sodium sulphite	A	B	A	A
Oils mineral	A	A	-	-	Sodium thiosulphate	A	A	A	A
Oils vegetable and animal	A	A	-	-	Stannic chloride	B	D	A	A
Oleic acid	B	A	A	D	Stannous chloride	B	D	A	A
Oleum	B	B	A	D	Starch	A	A	-	-
Oxalic acid 10%	B	C	A	A	Steam 0/400°F	A	A	A	A
Oxalic acid 30%	B	D	A	A	Stearic acid	A	A	A	B
Oxalic acid 50% boiling	C	D	A	A	Sugar liquors	A	A	-	-
Palmitic acid	A	B	A	B	Sulphonic acids	B	C	A	A
Paraffins	A	A	A	D	Sulphur fused	A	A	-	-
Petrol	A	A	A	D	Sulphur dioxide dry	A	A	A	A
Phenol	A	B	A	D	Sulphur dioxide wet	B	B	A	A
Phosphoric acid 10%	A	D	A	-	Sulphuric acid 5%	B	C	A	A
Phosphoric acid 30%	A	D	A	-	Sulphuric acid 5 20%	C	D	A	A
Phosphoric acid 50%	A	D	A	-	Sulphuric acid 20 80%	D	D	A	C
Phosphoric acid 10% boiling	B	D	-	-	Sulphuric acid 80%	B	C	A	D
Phosphorus trichloride dry	B	C	A	A	Sulphuric acid fuming	B	B	B	D
Phthalic acid	A	A	A	A	Sulphurous acid	B	C	A	B
Picric acid	A	B	A	A	Sulphur trioxide dry	B	A	-	-
Potassium bromide	A	B	A	A	Tannic acid	B	C	A	A
Potassium carbonate	A	B	A	A	Tar hot	A	A	A	D
Potassium chlorate	B	A	A	A	Tartaric acid	A	B	A	B
Potassium chloride	B	B	A	A	Tetrahydrofuran	B	-	-	-
Potassium chromate	A	A	A	A	Toluene	A	A	B	D
Potassium cyanide	A	C	A	A	Trichlorethylene dry	B	A	A	D
Potassium dichromate	A	A	A	A	Triethanolamine	A	A	A	B
Potassium ferricyanide 25%	A	A	A	A	Turpentine	A	A	A	D
Potassium hydroxide 10%	A	D	A	A	Urea	A	B	A	A
Potassium hydroxide 50%	B	D	A	A	Varnish hot	A	A	A	D
Potassium nitrate	A	A	A	A	Vinegar	A	B	A	B
Potassium permanganate dilute	A	A	A	A	Vinyl chloride	B	A	A	D
Potassium silicate	A	A	A	-	Water distilled	A	A	A	A
Potassium sulphate	A	A	A	A	Water fresh	A	B	A	A
Propane	A	A	A	D	Whiskey	A	B	A	A
Propyl acetate	A	A	A	B	Wine	A	B	A	A
Propyl alcohol	A	A	A	A	Xylene	A	A	A	D
Pyridine	A	B	B	B	Zinc chloride	B	C	A	A
Pyrogalllic acid	A	B	A	D	Zinc nitrate	B	B	A	A
Salicylic acid	A	B	A	A	Zinc sulphate	A	C	A	A



Sitecna® is also the sole Italian distributor of the following brands:

- Moncus Energy Group
- Alkon
- Condor Technology
- Imperial
- Waverley brownall
- Uni-lok
- Glass Specialist





Manufacturer of controller units, pressure sensors, manual relays, hydraulic & quick exhaust valves



Manufacturer of fittings, flow regulators & electro-pneumatic valves



Manufacturer of instrumentation heaters & thermostats for hazardous locations



Manufacturer of plastic tubing, valves & instrumentation solutions



Manufacturer of instrumentation fittings, ball, needle, check, relief valves



Manufacturer of instrumentation fittings, ball, needle, check, diaphragm, bellows, manifold valves



Provider of specialty fittings, valves and hydro-pneumatic products for the glass industry